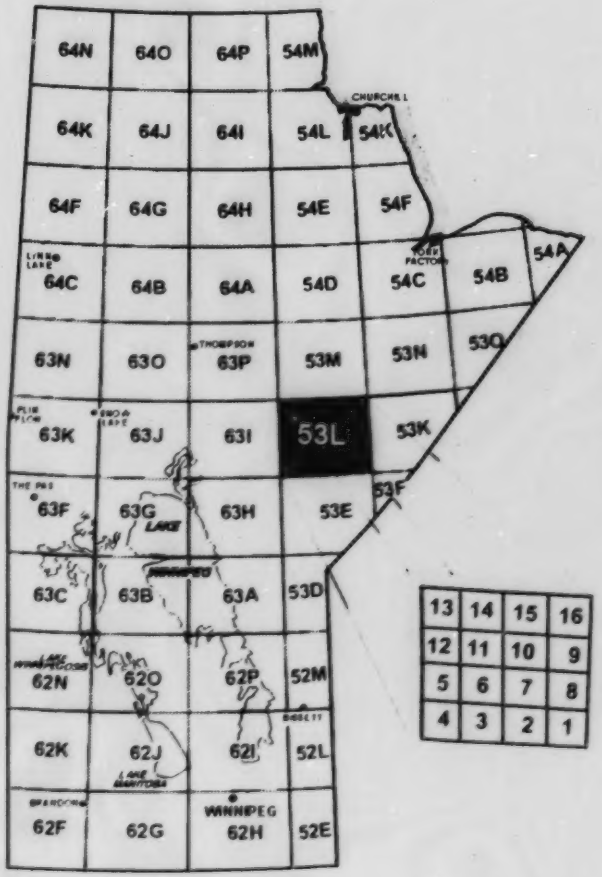

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Operation Superior: multimedia geochemical survey results from the northern portion of the Knee Lake greenstone belt, northern Superior Province, Manitoba (NTS 53L): Volume 1

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TABLE OF CONTENTS

Volume 1

INTRODUCTION 1

METHODOLOGY 4

DATA DISPLAY 4

BEDROCK GEOLOGY AND MINERAL DEPOSITS OF THE 2000 SURVEY AREA 5
- Knee Lake greenstone belt (northern half) 5
  - Introduction 5
  - Geological setting 5
  - Structure 8
  - Metamorphism 9
  - Mineral deposits 10
    - Sulphide mineral occurrences 10
    - Gold mineralization 11

QUATERNARY GEOLOGY OF THE 2000 SURVEY AREA 11
- Introduction 11
- Stratigraphy 11
- Ice-flow direction 12

ACKNOWLEDGMENTS 13

REFERENCES 13

ROCK GEOCHEMICAL SURVEY 18
- Sample collection, preparation and analysis 18
- Format 18
- Results 18

Instrumental neutron activation analysis (INAA) 18
Inductively coupled plasma–atomic emission spectrometry (ICP-AES) 21
Flow-injection mercury system (FIMS) 26
Hydrogen ion (H^+) 26
Specific conductance *K* (water-extractable metal) 26
Synthesis 26
Conclusions and recommendations 28

APPENDIX R-1: OUTCROP ROCK CHIP SAMPLE DESCRIPTIONS ..... R-1-1 to R-1-6
APPENDIX R-2: ICP-AES, H^+, *K* AND Hg ANALYSES ..... R-2-1 to R-2-4
APPENDIX R-3: ICP-AES, H^+, *K* AND Hg ANALYSES, MULTIPLE SAMPLES ..... R-3-1 to R-3-2
APPENDIX R-4: ICP-AES, H^+, *K* AND Hg PERCENTILE BUBBLE PLOTS ..... R-4-1 to R-4-26
APPENDIX R-5: INA ANALYSES ..... R-5-1 to R-5-4
APPENDIX R-6: INA ANALYSES, MULTIPLE SAMPLES ..... R-6-1 to R-6-2
APPENDIX R-7: INAA PERCENTILE BUBBLE PLOTS ..... R-7-1 to R-7-19

TILL GEOCHEMICAL SURVEY 29
Methods 29
Field methods 29
Laboratory methods 29
Results 30
Clay fraction (less than 2 µm) 30
Silt+clay fraction (less than 63 µm) 31
Carbonate content 31
Summary 31

APPENDIX T-1: ICP-AES, Hg (COLD VAPOUR - AAS) AND As (HYDRIDE GENERATION) ANALYSES FOR THE <2 MICRON SIZE FRACTION (CLAY FRACTION) OF TILL SAMPLES ..... T-1-1 to T-1-14
APPENDIX T-2: DUPLICATE PAIR ICP-AES, Hg (COLD VAPOUR - AAS) AND As (HYDRIDE GENERATION) ANALYSES FOR THE <2 MICRON SIZE FRACTION (CLAY FRACTION) OF TILL SAMPLES ..... T-2-1 to T-2-4

APPENDIX T-3: ICP-AES, Hg AND As PERCENTILE BUBBLE PLOTS FOR THE <2 MICRON SIZE FRACTION OF TILL SAMPLES ..... T-3-1 to T-3-30
APPENDIX T-4: INA ANALYSES FOR THE <63 MICRON SIZE FRACTION OF TILL SAMPLES ..... T-4-1 to T-4-14
APPENDIX T-5: DUPLICATE PAIR INA ANALYSES FOR THE <63 MICRON SIZE FRACTION OF TILL SAMPLES ..... T-5-1 to T-5-4
APPENDIX T-6: INAA PERCENTILE BUBBLE PLOTS FOR THE <63 MICRON SIZE FRACTION OF TILL SAMPLES ..... T-6-1 to T-6-20
APPENDIX T-7: CHITTICK ANALYSIS, <63 MICRON SIZE FRACTION OF TILL SAMPLES ..... T-7-1 to T-7-7
APPENDIX T-8: CHITTICK ANALYSIS, PERCENTILE BUBBLE PLOTS (<63 MICRON SIZE FRACTION) ..... T-8-1 to T-8-3
APPENDIX T-9: PLOT OF CALCITE VS. DOLOMITE FOR THE TILL SAMPLES T-9-1
APPENDIX T-10: RELATIONSHIP BETWEEN TOTAL CARBONATE IN THE <63 MICRON SIZE FRACTION AND THE GEOCHEMISTRY OF THE <2 MICRON SIZE FRACTION ..... T-10-1 to T-10-16

Volume 2

B-HORIZON SOIL GEOCHEMICAL SURVEY 33
Introduction 33
Enzyme leach[SM] 33
Sample collection 34
Sample preparation and analysis 35
Results 35
Specific conductance *K* (water-extractable metal) 35
Enzyme leach[SM] 35
Oxidation-suite elements 35
Metals 38
Base metals – chalcophile association 39
High field-strength elements 40
Rare-earth elements 41

Lithophile elements 42
Elements determined by ICP-AES on the enzyme leachate 43
Synthesis 45
Conclusions 47

APPENDIX B-1: ICP-MS (ENZYME LEACH), ICP-AES, H^+ AND *K* ANALYSES ..... B-1-1 to B-1-32
APPENDIX B-2: DUPLICATE PAIR ICP-MS (ENZYME LEACH), ICP-AES, H^+ AND *K* ANALYSES ..... B-2-1 to B-2-8
APPENDIX B-3: ICP-MS (ENZYME LEACH), ICP-AES, H^+ AND *K* ANALYSES PERCENTILE BUBBLE PLOTS ..... B-3-1 to B-3-45

HUMUS GEOCHEMICAL SURVEY 49
Sample collection 49
Sample preparation and analysis 49
Results 49
Instrumental neutron activation analysis (INAA) 49
Hydrogen ion (H^+) 53
Specific conductance *K* (water-extractable metal) 54
Flow-injection mercury system (FIMS) 54
Inductively coupled plasma–atomic emission spectrometry (ICP-AES) 54
Synthesis 58
Conclusions 58

APPENDIX H-1: ICP-AES, H^+, *K* AND Hg ANALYSES ..... H-1-1 to H-1-16
APPENDIX H-2: DUPLICATE PAIR ICP-AES, H^+, *K* AND Hg ANALYSES ..... H-2-1 to H-2-6
APPENDIX H-3: ICP-AES, H^+, *K* AND Hg PERCENTILE BUBBLE PLOTS ..... H-3-1 to H-3-20
APPENDIX H-4: INA ANALYSES ..... H-4-1 to H-4-14
APPENDIX H-5: DUPLICATE PAIR INA ANALYSES ..... H-5-1 to H-5-4
APPENDIX H-6: INAA PERCENTILE BUBBLE PLOTS ..... H-6-1 to H-6-19

VEGETATION GEOCHEMICAL SURVEY 60
Introduction 60
Sample collection 60

Sample preparation and analysis 60
Results 61
Ash 61
Instrumental neutron activation analysis (INAA) 63
Inductively coupled plasma–atomic emission spectrometry (ICP-AES) 66
Inductively coupled plasma–mass spectrometry (ICP-MS) 70
Synthesis 70
Responses to known base- and precious-metal mineralization 71
Other anomalous responses 72
Recommendations and conclusions 72

APPENDIX V-1: ICP-AES ANALYSES – ASHED SAMPLES ..... V-1-1 to V-1-14
APPENDIX V-2: DUPLICATE PAIR ICP-AES ANALYSES ..... V-2-1 to V-2-6
APPENDIX V-3: ICP-AES PERCENTILE BUBBLE PLOTS ..... V-3-1 to V-3-22
APPENDIX V-4: INA ANALYSES – ASHED SAMPLES ..... V-4-1 to V-4-14
APPENDIX V-5: DUPLICATE PAIR INA ANALYSES ..... V-5-1 to V-5-6
APPENDIX V-6: INAA PERCENTILE BUBBLE PLOTS ..... V-6-1 to V-6-23
APPENDIX V-7: ICP-MS ANALYSES – ASHED SAMPLES ..... V-7-1 TO V-7-3
APPENDIX V-8: ICP-MS PERCENTILE BUBBLE PLOTS ..... V-8-1 TO V-8-47

SYNOPSIS 74
Geochemical pathways 74
Amalgamated Knee Lake Mines Limited 74
Second Narrows 75
Parker Lake area 76
Summary 76
Final observations 77

Figures (*in* 'Bedrock Geology and Mineral Deposits of the 2000 Survey Area')

Figure 1: Location of multimedia geochemical surveys 6
Figure 2: Regional geology and multimedia sampling sites in the 2000 survey area 7

Figure 3: Mylar sample site location map overlay for the 2000 multimedia geochemical survey .....back pocket

Tables (in 'Vegetation Geochemical Survey')

Table 1: Essential and nonessential elements determined by INAA.....61
Table 2: Essential and nonessential elements determined by ICP-AES.....62

INTRODUCTION

In 1996, the Manitoba Geological Services Branch (now the Manitoba Geological Survey) embarked upon a five-year program of helicopter- and fixed-wing–assisted multimedia geochemical sampling, designed to assist in the definition of exploration targets and the assessment of mineral resource potential in the northern Superior Province. This initiative has been called Operation Superior and preliminary results for the areas surveyed in 1996, 1997, 1998 and 1999 were released in Fedikow and Nielsen (1997 and Fedikow et al. (1997a, b, 1998a, 1999, 2000).

The application of belt-scale and regional geochemical surveys to relatively underexplored terrain has been extensively documented. Usually, these surveys have utilized one or two sampling media, such as soil or rock, with generally positive results in reducing large tracts of ground to more localized areas of higher exploration potential. Operation Superior belt-scale multimedia geochemical surveys specifically address the relatively underexplored Archean greenstone belts in the Superior Province of northeastern Manitoba by systematically collecting rock, till, b-horizon soil, humus and vegetation samples from sample sites established at 1 km centres, within mapped boundaries of the greenstone belts. The results of surveys conducted in year five of this project are presented in this report, and include geochemical survey results for rock, till, b-horizon soil, humus, and vegetation. Kimberlite indicator-mineral (KIM) survey results for diamonds, based on 25 kg bulk till samples, are also presented from the 2000 survey and for all KIM survey results between the years 1996 and 2000.

One of the nongeochemical benefits of landing a helicopter every 1 km during sampling is the opportunity to make geological observations at outcrop sample sites and in areas of recent burn. Forest fires in 1988 and 1989 have exposed large areas of outcrop in the northern Superior Province that were covered with vegetation and/or soil. An excellent example of this benefit has been described in Fedikow et al. (1997a, b) and Fedikow and Nielsen (1997), where an areally extensive, hydrothermally altered, base- and precious-metal depositional environment was recognized.

A complementary project was initiated by the Geological Survey of Canada (GSC) in 1996. In the GSC survey, which focused on the predominantly intrusive geological terranes separating the greenstone belts, till samples were collected on a 40 km sample spacing to provide a regional framework for interpretation of the more detailed multimedia program. This survey was undertaken by Harvey Thorleifson of the Geological Survey of Canada and Gaywood Matile of the Manitoba Geological Survey, and has been released as Open File Report OF97-3 (Matile and Thorleifson, 1997).

Historically, the commodity focus in Manitoba has been on base and precious metals, with lesser interest in the pegmatite-hosted rare-element deposits such as those at Bernic Lake. This multimedia geochemical and mineralogical

survey is designed to address base and precious metals, pegmatite- and carbonatite-hosted rare-element deposits, and diamonds. The approach is to collect a variety of sample media at each site and analyze these samples in a multi-element manner using the most advanced instrumentation and innovative digestion techniques available. Instrumental neutron activation (INAA), inductively coupled plasma–atomic emission spectrometry (ICP-AES), and inductively coupled plasma–mass spectrometry (ICP-MS) are the main analytical techniques chosen for this purpose. Additionally, pH and conductivity measurements (converted to H^+ and specific conductance, respectively) assess water-extractable components in rock, b-horizon soil and humus samples in this survey. The pH measurements were done using a VWR model 8000 pH meter with a Ross #8165 BN Combination pH electrode. Conductivity was measured with an Orion model 125 conductivity meter with an Orion #011020 glass conductivity cell.

The enzyme-leach^{SM} selective-extraction process has once again been applied to b-horizon soil samples in this survey. This approach utilizes a phase-specific dissolution that liberates metals adsorbed onto the amorphous Mn-oxide coatings of individual mineral grains in the b-horizon. The leachate is analyzed using ICP-MS, and element concentrations are reported at the parts per billion level. Because of the relative abundance of thick and compositionally variable surficial deposits in this year's study area and the successful application of this technique in years one, two, three and four of the project, year five b-horizon soils were analyzed using only the enzyme-leach^{SM}–ICP-MS technology. The nature of the surficial sampling environment necessitated the application of innovative analytical approaches for this survey. In the 2000 survey, b-horizon soil samples consisted of 26% clay, 56% till, 12% 'mixed' samples (reflecting permafrost mixing of clay, till and other sediments) and 6% sand.

A unique opportunity to assess the diamond potential of greenstone belts in the northern Superior Province in Manitoba has been provided by cooperative efforts with DeBeers Canada Exploration Inc. Eleven litre pails of till collected at each sampling site were concentrated, mineralogically picked and analyzed by electron microprobe by DeBeers laboratories to provide mineral chemistry for classification purposes. Sample locations were withheld from DeBeers until release of the open file report to ensure security and equal opportunity for follow-up by all interested parties in the exploration community. This approach permitted diamond potential to be assessed throughout the 1996–2000 Operation Superior survey areas. Under normal circumstances, this assessment would have been too costly for the Manitoba Geological Survey to undertake.

As part of another cooperative arrangement with the Geological Survey of Canada (GSC), crown twig samples collected from black spruce trees were ashed in the GSC laboratories by Colin Dunn. The vegetation geochemical samples were prepared with good control on ashing temperatures and contamination. Analyses were bracketed with vegetation

geochemical standards prepared in these same laboratories, resulting in the development of a well-constrained vegetation geochemical database. This marks the fifth year of vegetation sample preparation in the GSC laboratories.

The element Hg was analyzed in outcrop rock-chip, b-horizon soil and humus samples as a specialty element. The analysis was undertaken at Activation Laboratories Ltd. (Ancaster, Ontario) using a flow-injection mercury system (FIMS) designed by Perkin Elmer Ltd. Till was analyzed for Hg by cold vapour–atomic absorption spectrometry (AAS).

The interpretation of exploration geochemical data often relies upon the recognition of localized patterns of element variation. This approach to data interpretation is strongly recommended for the data presented from the 2000 Operation Superior multimedia geochemical survey. The interpretation of enzyme-leach^{SM} data is premised on the recognition of central lows or zones of low metal concentrations surrounded by, or associated with, elevated metal contents, as well as morphological characteristics of the anomalies. This approach to interpretation is somewhat more difficult with irregularly distributed data, such as those collected during this survey; however, the identification of a geochemical 'cell' using the enzyme-leach^{SM} approach is most desirable. Apical or single-point anomalies have been recognized in previous years' surveys.

The format of the 2000 multimedia geochemical survey report has been significantly modified from that produced in 1996. Data and preliminary interpretations for results from each of the sampling media are presented in two binders. This was achieved by producing element- and media-specific percentile bubble plots for the northern portion of the Knee Lake greenstone belt (NTS 53L) on the same page. This significantly reduces hardcopy volume. All text and graphical data are presented on CD-ROM for ease of computer applications. The design and construction of the CD-ROM was undertaken by Paul Lenton of the Manitoba Geological Survey.

A major diamond play was initiated following the release of the 1999 multimedia geochemical and mineralogical data as Open File Report OF2000-2 and the kimberlite indicator-mineral survey results from the northern half of the Knee Lake greenstone belt in Open File Report OF2001-4 and OF2001-5. A total area of 2 440 579 hectares was covered by 50 exploration permits and 15 special permits, primarily for diamond exploration. Permits were taken out by 18 companies, including DeBeers Canada Exploration Inc., Kennecott and BHP. This represents the most significant exploration play in Manitoba since the Thompson nickel rush in the 1950s.

METHODOLOGY

Multimedia geochemical samples were collected on approximately 1 km centres or as dictated by access to landing sites using a float equipped helicopter (Bell Jet Ranger 206B). The procedure at each site was to establish, by way of hand augering, the location from which a till sample was to be collected. All other samples were collected in and around the immediate area of the till pit. Sample site locations were plotted on airphotos while viewing the sites from the helicopter subsequent to sample collection.

The specifics of sample collection, preparation and analyses, including data and derived products are described individually for each media type.

DATA DISPLAY

Geochemical data for all sample types are presented in table format with site identification and UTM coordinates (Zone 15, NAD83). This same data are presented as delimited ASCII, Excel® 97 and ArcView® files on the CD-ROM enclosed in the back of this report. The variation in concentration of the various elements throughout the survey areas is presented as percentile-interval bubble plots produced using ArcView® GIS software, digitized sample locations and analytical data. Percentile values represent the percentage of data points that fall below a certain analytical value. For example, a 25th percentile value of 30 ppm Cu indicates that 25% of the data points have values for Cu that are less than 30 ppm. Likewise, at a 95th percentile value of 200 ppm Cu, only 5% of the data points would have values in excess of 200 ppm.

This presentation is a preliminary attempt to identify areas of high metal contents and thereby reduce the large areas surveyed to smaller areas for follow-up work. Although, for any given area and sample medium, the number of samples may be low for the calculation of percentiles, the user can still quickly assess geochemical response by examining nontransformed geochemical data. Users can manipulate the geochemical data in a manner appropriate to their needs by accessing the data on CD-ROM. Elements consistently below the Lower Limit of Detection (LLD) have been excluded from the data tables and are not discussed further. Samples with concentrations below the LLD for any particular element are assumed to have metal contents equivalent to one-half of the stated LLD. This value was also used for all plotting purposes. For brevity and simplicity in the graphical display of geochemical data, only the total rare-earth element (TREE) value is plotted for rock, humus and vegetation data. Concentrations for individual REE, as well as total REE, are presented in the Appendices.

Users will note that only simplified geology of the northern portion of the Knee Lake greenstone belt is presented on the percentile bubble plots. This geology was derived from a digital version of the 1:1 000 000 scale bedrock map of the province (Map 79-2) and the 1:250 000 scale Bedrock Geology Compilation Map Series map for NTS 53L. The UTM coordinates for sample sites are derived from 1:50 000 scale topographic maps. Sample numbers can be derived by overlaying the Mylar™ sample-site location map on the bubble plots. A comprehensive listing and description of the contents of the CD-ROM is available as a README document in the root directory of the CD-ROM.

BEDROCK GEOLOGY AND MINERAL DEPOSITS OF THE 2000 SURVEY AREA

Multimedia geochemical and mineralogical surveys were conducted in the northern half of the Knee Lake greenstone belt in 2000 (Fig. 1). The simplified regional geology and sample-site locations in the survey area are presented in Figure 2. Figure 3 (in back pocket) is a Mylar™ overlay showing the sample-site locations. The area of the Knee Lake greenstone belt sampled in 2000 extends northward from the south end of Cinder Lake to the north end of Knee Lake.

Knee Lake greenstone belt (northern half)

Introduction

The description of the geological setting of the Knee Lake greenstone belt is taken primarily from Gilbert (1985), Syme et al. (1997, 1998) and Lin et al. (1998). These reports summarize recent geological mapping in the Knee Lake portion of the Superior Province and can be consulted for further details on the geology of the Knee Lake belt, including individual unit descriptions. Additionally, work conducted prior to 1970 by Bruce (1919), Wright (1925, 1931), Springer (1946), Quinn (1955) and Barry (1959, 1964) provides a historical perspective and additional sources of information for the Knee Lake area.

Geological setting

Supracrustal rocks in the Oxford Lake–Knee Lake Belt have been assigned to two principal stratigraphic groups, the Hayes River Group and Oxford Lake Group (Gilbert, 1985). Both groups are interpreted to have potential to host gold and base-metal deposits.

The Hayes River Group (HRG) is a predominantly volcanic sequence dominated by pillowed basalt and related gabbro, minor intermediate to felsic volcanic rocks, and minor volcanogenic sedimentary rocks. An age of ca. 2830 Ma has been determined for the HRG at Knee Lake (Syme et al., 1997). Hubregtse (1976) described the volcanic rocks at Knee Lake in

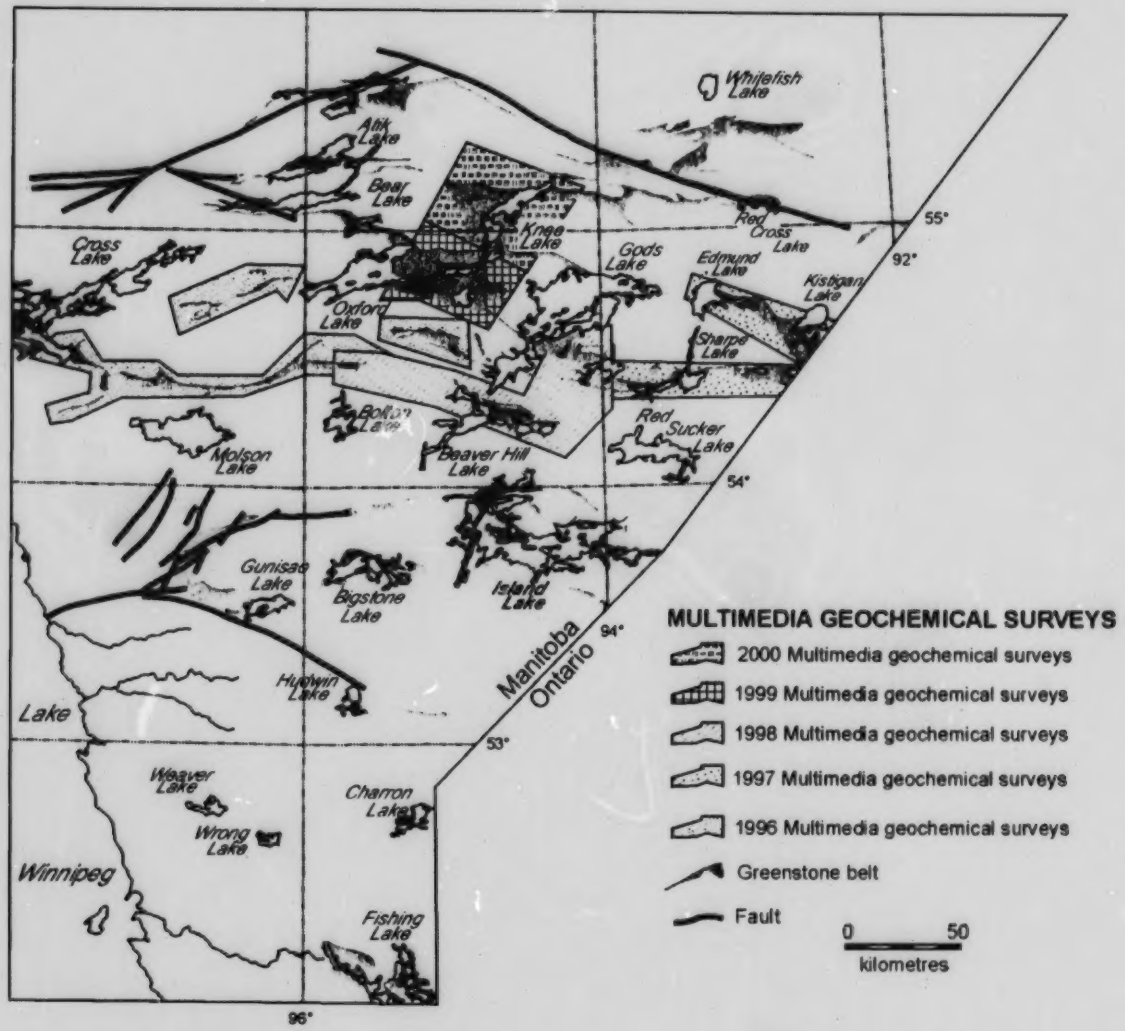

Figure 1: Location of multimedia geochemical surveys.

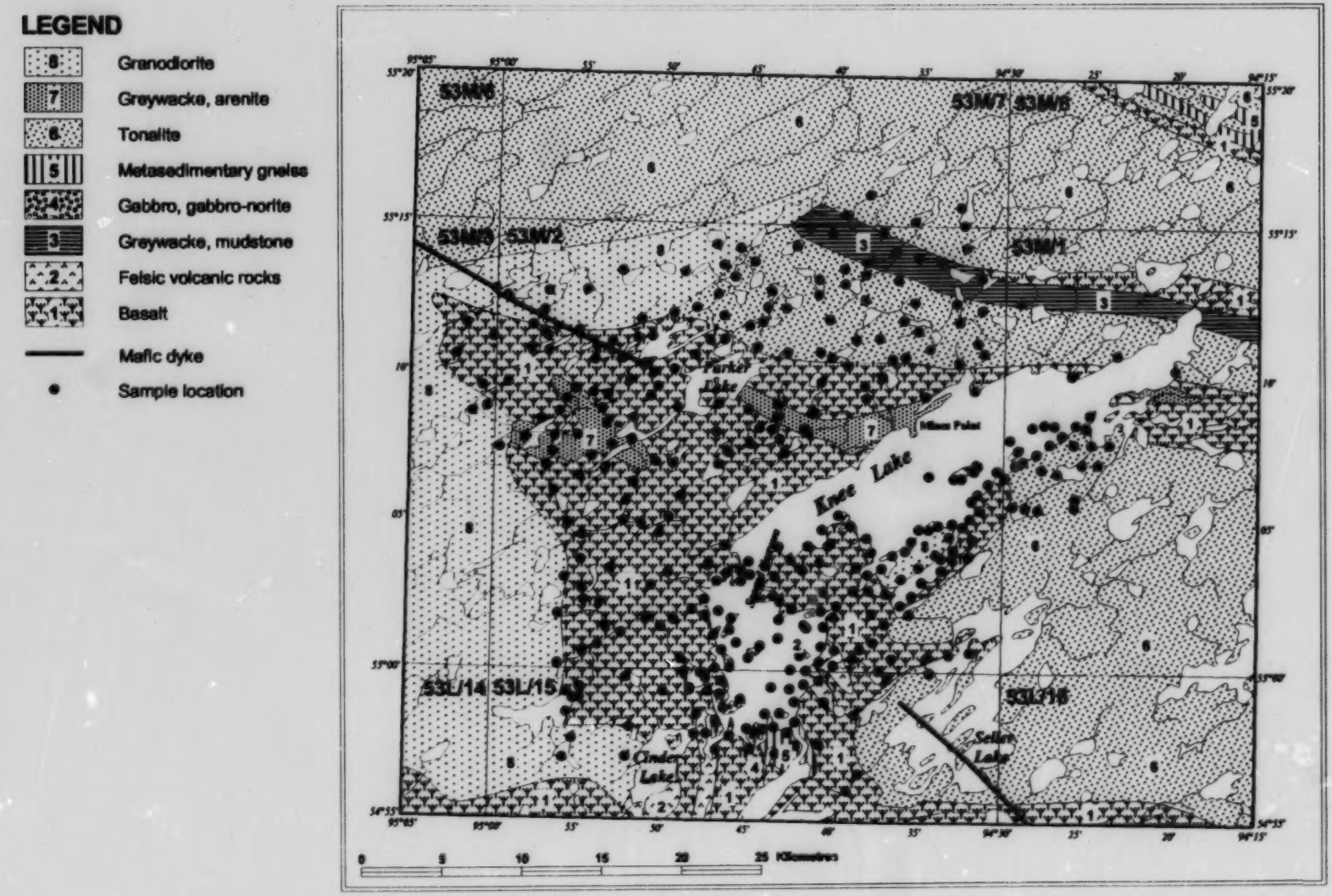

Figure 2: Regional geology and multimedia sampling sites in the 2000 survey area.

terms of five volcanic cycles, each comprising a lower, tholeiitic basalt section and an upper, calc-alkalic, intermediate to felsic portion locally containing sedimentary rocks and iron formation. The HRG section in the Knee Lake area is estimated to be 9.7 km thick (Gilbert, 1985); neither the base nor top is exposed. The section at Knee Lake represents the upper portion of the HRG, the lower portion being that exposed on Oxford Lake (Manitoba Energy and Mines, 1987). The base of the HRG has been intruded by tonalitic to granitic plutons and related gneiss of the Bayly Lake Complex, which have an age of between 2883 and 2730 Ma (Syme et al., 1998).

The Oxford Lake Group (OLG) is a younger (2706 Ma at Oxford Lake, Syme et al., 1998), predominantly sedimentary succession that lies unconformably on HRG volcanic rocks at Gods Lake (Gilbert, 1985). It consists of a lower, dominantly 'volcanic' subgroup of limited extent, overlain by more extensive sedimentary rocks extending 40 km from Oxford Lake to Magill Lake in a 12 km wide belt (Gilbert, 1985; Manitoba Energy and Mines, 1987). Volcanic rocks in the lower subgroup are shoshonitic to calc-alkalic in character (Hubregtse, 1976; Brooks et al., 1982; Gilbert, 1985) and include fragmental and flow rocks. Syme et al. (1998) interpreted the fragmental rocks to be epiclastic (conglomerate) rather than volcanogenic (reworked pyroclastic rocks; Gilbert, 1985). The Opischikona Narrows sedimentary rocks occur within a structural basin in southern and central Knee Lake. Greywacke, pebbly sandstone and conglomerate characterize these rocks at Opischikona Narrows (Syme et al., 1997). These rocks were previously interpreted to be part of the HRG (Gilbert, 1985) but were reinterpreted by Syme et al. (1998) as OLG. Stratigraphic relations within the OLG suggest that the sedimentary rocks were deposited in shallow- to deep-water basinal environments (Manitoba Energy and Mines, 1987).

Structure

Preliminary structural analysis of the Knee Lake greenstone belt suggests that it has been affected by multiple generations of folding (Gilbert, 1985). The earliest folds recognized (F_1) are very tight to isoclinal with a locally developed axial-planar cleavage (S_1). They are overprinted by F_2 folds that are also very tight to isoclinal but have a generally well-developed axial-planar cleavage (S_2). The S_2 cleavage is locally refolded by open F_3 folds. Very tight to isoclinal folds (F_1 or F_2) are also recognized at the mesoscopic scale, in many parts of the Knee Lake Belt, based on younging direction reversal, fold asymmetry change and repetition of lithological units. At several localities, clasts in the conglomerate of the OLG contain a predepositional foliation, indicating that rocks of the HRG had probably been deformed before deposition of the OLG. It is interesting and yet to be explained that, although deformation in the HRG is mainly concentrated in localized shear zones and many parts of the group are only very weakly deformed, rocks of the OLG are generally very strongly deformed.

Major west-northwest- and northeast-trending faults and shear zones occur in the area of southern Knee Lake (Lin et al., 1998). Rocks in these faults and shear zones are intensely deformed with well developed, steeply plunging stretching lineations.

The contact between the HRG and the OLG is defined by west-northwest-trending structures. Northeast-trending faults crosscut the HRG and the Opischikona Narrows sedimentary rocks, resulting in a fault-bounded panel of sedimentary rocks extending through the centre of southern Knee Lake. The ages of the west-northwest- and northeast-trending faults and shear zones have not been precisely established, although dating of the 'volcanic' subgroup of the OLG and Opischikona Narrows sedimentary rocks is proceeding.

The most significant shear zone in the northern Knee Lake area has been identified by Syme et al. (1998) as a northeast-trending structure that extends the entire length of northern Knee Lake. This structure separates OLG sedimentary rocks from HRG volcanic rocks in the south. The horizontal sense of movement along this structure has been determined to be sinistral. Secondary structures parallel to this feature have been identified in northeastern Knee Lake.

Lin et al. (1998) described a zone of strong deformation that occurs in the southern portion of the Oxford Lake–Knee Lake greenstone belt. This zone, referred to as the Southern Knee Lake Shear Zone (SKLSZ), strikes east-southeast, has an indicated dextral shear sense, and is characterized as a dextral transpressional zone of shear. Transpressional shear zones are significant in terms of gold mineralization, as evidenced by the Kirkland Lake–Larder Lake–Cadillac Break (Robert, 1989; Robin and Cruden, 1994).

Metamorphism

Two distinct metamorphic zones are observed within the supracrustal assemblages in the Knee Lake greenstone belt. Lower to middle greenschist-facies metamorphic mineral assemblages characterize the HRG and 'volcanic' subgroup of the OLG throughout the area. An exception occurs to the east of the northeast-trending fault through Omusinapis Point, where HRG basalt contains amphibolite-facies mineral assemblages. Rocks crosscut by the Seller Lake Shear Zone also contain amphibolite-facies mineral assemblages. These rocks are abruptly truncated at a northeast-trending fault zone across which there is a change to greenschist grade. A second major break occurs between the 'volcanic' subgroup and the 'sedimentary' subgroup of the OLG on the south side of Knee Lake. The change from greenschist to amphibolite grade is abrupt; however, there is a stepwise increase in metamorphic grade, recrystallization and regional deformation to the south.

Mineral deposits

To date, no economic deposits of base and/or precious metals have been discovered in the northern portion of the Knee Lake Belt. A compilation of known mineral occurrences is available in Gale et al. (1980). This database is currently being updated. Southard (1977) also described mineralization and reviewed exploration history for the Knee Lake area.

Sulphide mineral occurrences

Despite the absence of production from base-metal deposits, the subaqueous volcanic strata of the HRG are interpreted as having potential to contain volcanogenic massive sulphide (VMS)-type deposits (Gale et al., 1980). These volcanic rocks include tholeiitic basalt as well as calc-alkaline intermediate to felsic flows and volcaniclastic rocks (Hubregtse, 1976). This suggests that at least part of the HRG was emplaced in an arc environment. Specific factors suggesting VMS potential include the presence of a large, proximal felsic volcanic complex (Pain Killer Bay) and identification of hydrothermally altered basalt. The HRG basalt is unusually pale weathering throughout most of the Knee Lake area. This low-grade pervasive alteration locally intensifies such that the basalt weathers white, it is very light grey on fresh surfaces, and primary structures are obliterated. The alteration is manifest as an epidote-clinozoisite-albite-quartz rock, with patchy rusty weathering gossans locally developed in the most intensely altered rocks in the Pain Killer Bay area in the southern portion of the greenstone belt.

Gale et al. (1980), in a study of massive-sulphide depositional environments in the Knee Lake Belt, recognized lithodomain units with high potential to contain massive-sulphide–type deposits (cf. Gale et al., 1980, Map ER79-1-8). The high-potential areas are based upon the presence of favourable geology and/or the presence of known massive-sulphide–type deposits ('Type 1'). Significant potential is also indicated by favourable geology but without documented evidence of massive-sulphide mineralization ('Type 2'). In northern Knee Lake, high-potential areas are indicated by the presence of known massive-sulphide-type mineralization with associated alteration zones and stringer sulphide mineralization (cf. Map ER-79-1-11; Gale et al., 1980). The first of these diamond-drill–indicated zones is near-massive pyrrhotite with 2% Cu over 0.3 m hosted by rhyodacite and rhyolite and underlain by chloritic and sericitic rhyolite (occurrence 5 in Table A-10; Gale et al., 1980). The second mineralized zone comprises bands and stringers of sphalerite and pyrite over 0.6 m hosted by andesite and felsic tuff (occurrence 1 in Table A-10; Gale et al., 1980).

Syme et al. (1998), based on recent geological mapping, placed the observed sulphide-mineral occurrences in stratigraphic context in the northern portion of the belt. The majority of the sulphide mineralization and the areas of highest potential occur in the upper part of the HRG. Widespread silicification, comprising feldspar+quartz alteration, is documented from spherulitic basalt (unit 8). Massive-sulphide mineralization occurs at Cinder Lake in the central portion of the belt and comprises pyrite and pyrrhotite with minor chalcopyrite and sphalerite. This mineralized zone is localized at the contact between rhyolitic and andesitic volcanic rocks near the base of the HRG.

Gold mineralization

Gold mineralization in the northern Knee Lake belt is demonstrated to be structurally controlled (Southard, 1977; Richardson and Ostry, 1996; Syme et al., 1997; Lin et al., 1998). Archean gold mineralization has generally been recognized in association with regional-scale shear zones; however, the largest gold deposits are controlled by smaller scale structures with limited displacements (Vearncombe, 1998). Syme et al. (1998) have defined numerous shear zones and faults in the north Knee Lake belt that had previously been unrecognized. The structures have variable ages and include brittle north-northeast- and northeast-trending structures as well as numerous other ductile shear zones that have unknown age relationships.

The most significant of the gold occurrences on Knee Lake are the Knee Lake Gold Mines and Johnson Knee Lake Mines gold-silver occurrences. Southard (1977) described the Knee Lake Gold Mines mineralized zone as a sheared and locally silicified, 2 m thick tuff unit that occurs at the contact between pillow basalt and a quartz porphyry dyke. Visible gold occurs in a less than 15 cm thick quartz vein at the contact with the dyke. Southard (1977) reported the highest grades of "2.65 oz/ton Au and 0.45 oz/ton Ag" from samples collected from muck piles. Sphalerite, chalcopyrite and pyrite were documented in trenches and adjacent trench muck from this site during Operation Superior fieldwork undertaken in 2000. Underground exploration of this mineralized zone was hampered by erratic ore shoots and attendant difficulty in correlating with diamond-drill results. This geological scenario was similar for the nearby Johnson Knee Lake Mines mineralization, 350 m to the west.

QUATERNARY GEOLOGY OF THE 2000 SURVEY AREA

Introduction

Continued work in the northern Knee Lake area in the summer of 2000 resulted in the collection of 326 till and related sediment samples for geochemical and kimberlite indicator-mineral analyses. Glacial striae were measured at a number of sites, and observations on sediment colour, texture, stratigraphy and other field relations were made when the opportunity presented itself. The orientation of drumlinoid ridges was taken from published topographic maps and airphotos.

Stratigraphy

Conclusions regarding the Quaternary stratigraphy of the northern Knee Lake area are derived from observations made in hand-dug pits. A single till sheet blankets the bedrock throughout most of the area and is, in turn, overlain by glaciolacustrine silt and clay and a variety of wetland deposits. The extensive glaciolacustrine sediments and wetland

deposits are the main impediments to till sampling from hand-dug holes. Extensive cryoturbation due to discontinuous permafrost makes sampling difficult in places. Frost action severely mixes the till and the glaciolacustrine clay to the point where it may be almost impossible to collect pristine samples of either material.

Till is very widespread throughout the northern Knee Lake area and occurs primarily as extensive drumlins or drumlinoid ridges on the northwest side of the lake, and primarily as a discontinuous till sheet on the southeast side. Neither of these terrains is mutually exclusive, which is to say that a few drumlins occur on the southeast side of the lake and an extensive area dominated by bedrock outcrops is found to the west of the central Knee Lake area. The till is composed of highly calcareous, beige to grey, fine-textured, allochthonous material derived in large part from the Hudson Bay Lowland. The carbonate content of the silt+clay fraction is relatively uniform across the area, with a mean of about 40%. The single most noticeable difference between the drumlin and nondrumlin terrain is the till thickness. The till in the drumlins is generally thicker, and bedrock outcrops fewer, than in areas where there are no drumlins. Glaciofluvial sand and gravel occur at some drumlin sites on the northwest side of Knee Lake. At several sites, near the northern limit of the sampling (sites 300 and 352), the drumlins are composed of Sky Pilot till, a fine-textured, reddish-coloured, silty till that is widely distributed across the Hudson Bay Lowland (Nielsen et al., 1986). Sky Pilot till is the surface till throughout much of the Hudson Bay Lowland and derived its reddish color from similarly coloured Devonian bedrock formations (such as the Williams Island Formation) that subcrop in the bay. The discovery of Sky Pilot till in the Knee Lake area marks the southern occurrence of this till in Manitoba.

The variable internal composition (beige till, Sky Pilot till, sand and gravel) and form suggest that the drumlinoid shape is erosional and not related to the composition or provenance of the enclosing material. The high carbonate content and the presence of carbonate pebbles and other erratics indicate that the till was derived, in large part, from the Hudson Bay Lowland to the north and northeast.

Ice-flow direction

Striations were measured at only 13 sites, which testifies to the widespread surficial cover and scarcity of bedrock outcrops. The main striae direction ranges between 220° and 247° and averages 233°, consistent with the orientation of the drumlins and eskers in the area. Older striae trending 276° and 270° occur at sites 31 and 96 and testify to an older glacial advance toward the west.

The presence of erratics from central Keewatin, Hudson Bay and eastern Hudson Bay, as well as westerly, southwesterly and southeasterly striae, found in places throughout the northern Superior province of Manitoba, are evidence of a long and complex ice-flow history (Fedikow et al., 2001a). However, depositional evidence for the early events indicated by

southeasterly and westerly striae has not been forthcoming outside the Hudson Bay Lowland (the northeastern limit of esker development). While these early ice-flow events are of some interest, they have little relevance to overburden geochemical exploration in most of the northern Superior Province. The 233° striae direction is the only sediment-transport direction that is relevant to geochemical exploration and mineral tracing in the northern Knee Lake area.

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ROCK GEOCHEMICAL SURVEY

Sample collection, preparation and analysis

Outcrop rock-chip samples were collected from the Knee Lake greenstone belt after moss mats and soil were removed from the outcrop. A representative sample consisted of 3–4 fist-sized chips. These chips were jaw crushed to maximum 5 mm fragments and powdered in a tungsten-carbide swing mill. The powders were homogenized by rolling and then split and placed into vials, each weighing approximately 55 g. Vials were then submitted for INAA and ICP-AES analyses at Activation Laboratories Ltd. The ICP-AES analyses are based upon a four-acid total digestion. Mercury was analyzed using a flow-injection mercury system developed by Perkin-Elmer Ltd. Hydrogen ion (H^+) and specific conductance were analyzed in the Geological Survey of Canada laboratory. Descriptions of outcrop rock-chip samples are given in Appendix R-1. Geochemical data are presented in Appendices R-2 (ICP-AES, H^+, *K* and Hg) and R-5 (INAA). Geochemical data for sites where more than one sample was collected, as well as for duplicate sample analyses, are presented in Appendices R-3 (ICP-AES, H+, K and Hg) and R-6 (INAA). Percentile bubble plots are in Appendices R-4 (ICP-AES, H^+, *K* and Hg) and R-7 (INAA). Where more than one rock-chip sample was collected from a site, the sample with the highest concentration of a particular element was plotted.

Format

Rock geochemical data are described and presented as a geochemical narrative for samples collected from the Knee Lake greenstone belt. This narrative relates the variation in concentration of individual elements to geological features such as rock types or structures. A detailed discussion and summary of element variations, integrating specific geophysical signatures, mineral deposits and geological characteristics, is presented in a subsequent section entitled 'Synthesis'. Elements are grouped and discussed according to their analytical technique. Accordingly, the descriptions proceed from Hg (FIMS) to INAA to ICP-AES and finally to H^+ and specific conductance.

Results

Instrumental neutron activation analysis (INAA)

Au: High Au contents are documented in trench and muck samples collected from site 153 at the Knee Lake Gold Mines property. Five samples were collected at this site and ranged from 8130–584000 ppb in silicified mafic volcanic rocks containing quartz veinlets and variable amounts of disseminated pyrrhotite, pyrite, chalcopyrite and sphalerite. Elsewhere in the 2000 survey area, Au values are generally low, with the exception of a 99th percentile response of 163 ppb (average of two samples) at site 95 from a gabbro-hosted rusty weathered quartz vein with 5% disseminated pyrite and pyrrhotite. A 98th percentile response of 36–49 ppb occurs at site 34 in rusty weathering graphite-chert-pyrite

float near the second narrows of northern Knee Lake. A second 98th percentile response occurs at site 328 northeast of Mines Point. This response is situated at or near the contact between basalt and a sequence of greywacke and arenite.

As: High As concentrations (100th percentile, 385 ppm) at the Knee Lake Gold Mines property (site 153) and from graphite-chert-pyrite float at site 34 (99th percentile, 257 ppm). The remainder of the As responses in the 2000 survey area are less than 32 ppm.

Ba: The highest Ba response in the northern portion of the Knee Lake belt occurs at site 84 (100th percentile, 3300 ppm) where a fine-grained greywacke with 1–2% disseminated pyrite is exposed. This grey-green weathering lithology could be an altered mafic rock. A 99th percentile Ba response of 1600 ppm is documented from site 6 in pink weathering, fractured granite with 1% disseminated pyrite.

Br: Low Br responses characterize the northern portion of the Knee Lake greenstone belt. The 100th percentile of 9 ppm occurs at site 46 in medium green weathering, altered basalt. The matrix of the basalt is crosscut by a series of rusty weathering amphibole-biotite-pyrite veinlets with 3–5% disseminated pyrite.

Ca: High Ca responses occur at site 157 (100th percentile, 14.3%) in a dark green weathering basalt crosscut by nonmineralized quartz-carbonate veins. A 99th percentile of 11.1% occurs at site 360 in a sample of fine-grained, rusty weathering, partly epidotized, intermediate mafic sedimentary rock with 1–5% disseminated pyrite.

Co: Anomalous Co responses were identified from two areally separated sample sites. The 100th percentile of 104 ppm (site 157) occurs in basalt crosscut by quartz-carbonate veinlets without visible sulphide minerals. The second high response is a 99th percentile of 83 ppm at site 61 where a chrome green weathering basalt with calcite-filled fractures and no visible sulphide minerals was sampled.

Cr: The 100th percentile response of 1550 ppm at site 157 was obtained from a dark green weathering basalt with nonmineralized quartz-carbonate veins. Site 151, just south of site 157, contains a 98th percentile response (720–1270 ppm) in dense, dark green weathering gabbro. A 99th percentile response is documented from a rusty weathering chrome green basalt at site 61.

Cs: Anomalous Cs contents occur at site 89 (100th percentile, 18.5 ppm) in pink-grey weathering foliated and jointed granite with 1–2% disseminated pyrite. The pyrite is localized along a series of fine fractures. The second anomalous Cs

response occurs at site 119 from a dark chrome green weathering, fine-grained and strongly foliated basalt crosscut by fine carbonate-filled fractures. A 99th percentile response of 8.5 ppm was obtained at this site.

Fe: The 100th percentile response (16.1%) occurs at site 119, a chrome green weathering basalt without visible sulphide minerals. The 99th percentile of 14.7% is documented from site 157 where a basalt crosscut by quartz-carbonate veins was sampled. The basalt is nonmineralized.

Hf: Two moderate- to low-contrast Hf responses (7.6–5.4 ppm) occur at adjacent sites 84 (100th percentile) and 114 (98th percentile) in fine-grained greywacke with 1–2% disseminated pyrite, and medium green weathering basalt, respectively. The basalt at site 114 is medium grained, locally rusty weathered with 1% disseminated euhedral pyrite. A third response (99th percentile, 7.2 ppm) occurs at site 6 in pink weathering granite with 1% pyrite.

Mo: Mo values in rock-chip samples from the 2000 sampling area are moderate to low. The 100th percentile of 4.9 ppm occurs at site 107 in a grey weathering rhyolite that is locally silicified, sericitic and rusty weathered. Sulphide minerals were not observed at the site. A 99th percentile response of 4.2 ppm occurs at site 143 in pink, nonmineralized granite.

Ni: Elevated Ni responses occur at site 61 (100th percentile, 768 ppm) in basalt and at site 151 (99th percentile, 365 ppm) in nonmineralized gabbro. A 98th percentile (284–344 ppm) occurs at site 157 in a nonmineralized basalt.

Rb: The Rb values in rock samples collected in 2000 are uniformly low across the northern portion of the belt. The 100th percentile response occurs at site 84 (234 ppm) in a weakly mineralized, fine-grained greywacke. The 99th percentile of 120 ppm occurs in a sample of locally rusty weathering, fine-grained argillite with 15% pyrite blebs and laminae.

Sb: The distribution of elevated Sb in the northern Knee Lake belt is restricted to a single high response of 13.3 ppm (site 34). Unfortunately, the sample represents a graphite-chert-pyrite float with unknown provenance. All other responses are less than 3.5 ppm.

Sc: The 100th percentile Sc response occurs at site 119 in a dark chrome green weathering, nonmineralized basalt. The 99th percentile (59 ppm) occurs at adjacent site 15 in dark green, massive basalt. The 98th percentile response of 48 ppm (site 96) occurs in a nonmineralized basalt from the same general location.

Th: Three sites of elevated Th are documented from the northern portion of the Knee Lake belt. The 100th percentile response of 37.4 ppm at site 6 (pink weathering granite with 1% pyrite) occurs at or near the contact between granite and

mafic volcanic rocks in the southwestern portion of the 2000 survey area. A 99th percentile of 15.6 ppm occurs at site 114 in locally rusty weathered basalt with 1% disseminated pyrite. Site 84 is adjacent to site 114 and is characterized by a 98th percentile of 8.2–11.4 ppm in fine-grained greywacke with 1–2% disseminated pyrite.

U: The U responses in the 2000 survey area mimic those for Th. The 100th percentile of 9.3 ppm occurs at site 6; the 99th percentile of 5.5 ppm occurs at site 114 and the 98th percentile (2.1–3.1 ppm) occurs at site 84.

Zn: The 100th percentile response for Zn occurs at the Knee Lake Gold Mines property at site 153 (3497 ppm). This reflects visible (disseminations and blebs) sphalerite as well as pyrrhotite, pyrite and chalcopyrite in trench and muck/ore pile samples. The 99th percentile response of 316 ppm is significantly lower and occurs in white to light green and rusty weathering pillow basalt along the shoreline of a small island (site 111). The shoreline exposure is marked by a 10 m zone of silicified, very fine grained to cherty basalt with disseminated, veinlet and near-massive pyrrhotite and pyrite laminae. A shear transecting this occurrence can be traced from the south shore of the island to the north shore. The shear zone trends 175° and is nearly vertical.

TREE: The rare-earth element response is presented as the 'total' or summation of individual REE for purposes of simplicity and brevity in this report. Individual REE analyses are presented in the Appendices. There are three areas of high TREE responses in the 2000 survey area and these sites correlate to high U and Th responses. The 100th percentile response occurs at site 6 in pink weathering granite with 1% disseminated pyrite. Adjacent sites 84 (99th percentile, 229 ppm), in fine-grained greywacke with 1–2% disseminated pyrite, and 114 (98th percentile, 119–185 ppm), in locally rusty weathered basalt with 1% disseminated pyrite, represent the other two elevated zones of TREE.

Inductively coupled plasma–atomic emission spectrometry (ICP-AES)

Ag: Ag values in the northern at or near the lower limit of determination with the exception of sites 153 and 95. At site 153 (Knee Lake Gold Mines property), five samples collected from trench muck and ore/muck piles contained a range of 1.3–56.1 ppm. A sample of dark green weathering and locally rusty weathered melagabbro with 5% disseminated pyrite and pyrrhotite and one of a gabbro-hosted, rusty weathering white quartz vein with 1–2% disseminated pyrite and pyrrhotite, both collected from site 95, contain 0.2–3.5 ppm, respectively.

As: Significant high-contrast As concentrations were noted in only a few locations in the northern Knee Lake belt. The 100th percentile occurs at site 34 in rusty weathering graphite-chert-pyrite float of unknown provenance. Sites 358 (98th percentile, 18–30 ppm in rusty weathering, light grey-white strongly foliated sedimentary rock with less than 1% disseminated pyrite) and sites 125 and 126 (95th percentiles, 10–12 ppm) form a northeast-trending linear alignment of As

responses. Rock-chip and muck samples collected from the Knee Lake Gold Mines property at site 153 are marked by a 99th percentile response (318 ppm). This anomaly is in alignment with sites 34, 125, 126 and 358 and parallels the long axis of the northern end of Knee Lake.

Ba: A 100th percentile of 731 ppm occurs in the western portion of the north end of the Knee Lake belt at site 220. The rock sampled was a fine-grained, grey weathering, intermediate to mafic sedimentary rock without visible sulphide minerals. Elsewhere, a 99th percentile response of 620 ppm occurs at site 84 in green-grey weathering fine-grained greywacke with 1–2% disseminated pyrite. Sites 113 and 157 are marked by 95th percentile responses of 186–232 ppm.

Ca: Significant anomalous Ca responses are confined to the southwest corner of the 2000 survey area at sites 178, 110 and 362. The 100th percentile occurs at site 178 (8.12%) in green-grey weathering, locally rusty weathering gabbro with 1% disseminated pyrrhotite and pyrite. The 99th percentile of 8.03% occurs in a fine-grained, strongly foliated, carbonate-altered, intermediate to mafic sedimentary rock without visible sulphide minerals. Site 110 is marked by a 98th percentile response of 6.29–7.32 % in a sample of light green weathering, fine-grained massive basalt marked by local rusty weathered zones and carbonate veinlets. These three sites are aligned in a northwest orientation and appear to mimic the trend of northwest-trending mafic dykes in the area and, as such, may be reflecting a carbonate-altered structure.

Cd: A single, significant response occurs at site 153, the Knee Lake Gold Mines property. The 100th percentile response of 15 ppm is associated with disseminations and blebs of sphalerite observed in trench and muck/ore pile samples. The remainder of the sites in the 2000 survey contain less than 2 ppm in rock-chip samples.

Co: The southern portion of the 2000 survey area is marked by elevated Co at numerous sites. The 100th percentile of 58 ppm occurs at site 46 in a sample of medium green weathering, altered basalt in which the matrix is crosscut by amphibole-biotite-pyrite veins with 3–5% disseminated pyrite. The 99th percentile of 52 ppm occurs at site 119 in a strongly foliated, carbonate-altered basalt. The 98th percentile responses (47–49 ppm) occur at site 61 in nonmineralized gabbro.

Cr: The highest Cr values occur at sites 61 (100th percentile, 488 ppm) in a chrome green weathering basalt, site 12 (99th percentile, 427 ppm) in an olive green weathering, nonmineralized dacite with 'pinhead'-sized black-dark green chlorite, and at sites 117 and 151 (98th percentile responses, 289–292 ppm). The 98th percentile responses are in samples of light to medium green weathering basalt and dark green weathering, medium grained gabbro. The basalt at site 117 is marked

by disseminated dark green to black 'fish-scale' Mg-Fe chlorite alteration. There are no visible sulphide minerals in this lithology.

Cu: The northern Knee Lake belt is characterized by generally low concentrations of Cu. The 100th percentile response (788 ppm) occurs at site 153 in altered and mineralized trench and muck samples collected from the Knee Lake Gold Mines property. These samples contained disseminated chalcopyrite and sphalerite in addition to pyrrhotite and pyrite. The 99th percentile response occurs at site 102 in green weathering, hornblende-phyric massive gabbro that is locally rusty weathering and contains up to 5% disseminated pyrrhotite. The remainder of the responses in the survey area are less than 259 ppm.

Mn: Significant Mn responses in the northern Knee Lake belt occur at site 9 (100th percentile, 2353 ppm) in a light green weathering andesite. This rock type is crosscut by rusty weathering and carbonate-altered fractures and at site 226 (99th percentile, 2211 ppm) in a grey weathering, fine-grained, strongly foliated and nonmineralized intermediate-mafic sedimentary rock. The remainder of the Mn responses in the survey area are low.

Ni: The 100th percentile response in the northern Knee Lake Belt occurs at site 61 (663 ppm) in a sample of chrome green weathering basalt. The 99th percentile response (294 ppm) is documented from a sample of dark green weathering basalt crosscut by beige weathering carbonate within fractures. Neither rock type at these two sites is mineralized.

Pb: Low-contrast Pb responses occur throughout the 2000 survey area. The 100th percentile response of 56 ppm occurs at site 6 in a sample of pink weathering granite with 1% disseminated pyrite along chloritic fractures. The 99th percentile of 51 ppm occurs at site 153 in association with altered and base-metal mineralized mafic tuffaceous rocks at the property of Knee Lake Gold Mines. A 98th percentile response (29–37 ppb) occurs at sites 31 and 125.

Sc: Low-contrast Sc responses typify the 2000 survey area. The 100th percentile of 176 ppm occurs at site 160 in a sample of green-grey weathering silicified basalt that contains 5–10% disseminated and veinlet pyrite and pyrrhotite. The 99th percentile of 16 ppm occurs at site 62 near the second narrows of northern Knee Lake, in a sample of pale green weathering basalt that is visibly nonmineralized.

Sr: Significant Sr responses in the northern Knee Lake Belt are limited to a single sample 100th percentile of 373 ppm at site 31 on the southwest shore of northern Knee Lake. The sample collected at this site is a blue and white weathering, nonmineralized quartz vein. Adjacent site 358 is marked by a 99th percentile response of 279 ppm in a sample of light

grey-white and rusty weathering, strongly foliated sedimentary rock. This sample contains less than 1% disseminated pyrite.

V: Significant V responses occur at site 119 (100th percentile, 713 ppm) in a dark chrome green weathering, fine-grained, strongly foliated basalt that is crosscut by fine carbonate-filled fractures. This rock is nonmineralized. The 99th percentile occurs at site 45 on the east shore of the south end of northern Knee Lake. The response of 275 ppm occurs in a light-medium green weathering, fine-grained basalt that is locally rusty weathered and is nonmineralized.

Y: The Y responses from the 2000 survey are characterized by relatively low-contrast responses. The 100th percentile of 24 ppm occurs at site 6 in a pink weathering granite with fracture-controlled disseminated pyrite up to 1%. The 99th percentile response of 15 ppm (site 84) occurs in grey-green weathering, fine-grained greywacke with 1–2% disseminated pyrite and localized rusty weathered patches. The outcrop from which this chip sample was collected also contains a quartz-tourmaline vein that was not sampled owing to the rounded nature of the outcrop. The remainder of the samples contain low Y contents.

Zn: Two areas of elevated Zn response are noted from the 2000 survey area. This includes a 100th percentile response of 3318 ppm representing the average of five samples collected from trench muck and ore/muck piles at the Knee Lake Gold Mines property (site 153). The range in Zn contents from these five samples was 92–16200 ppm. The 99th Zn percentile response (329 ppm) occurs at site 111 in white to light green, silicified, cherty and sericitic pillow basalt exposed at the water line of a small island. The basalt hosts disseminated, veinlet and near–massive pyrrhotite and pyrite laminae.

Al: Elevated Al occurs at sites 45 (100th percentile, 4.98%) and 119 (99th percentile, 4.55%). The rock types sampled at these two sites include light-medium green weathering, fine-grained basalt with localized rusty weathering patches, and a dark chrome green weathering, fine-grained, strongly foliated basalt crosscut by fine carbonate-filled fractures, respectively. Both rock types are nonmineralized.

Fe: Elevated Fe contents are noted in dark chrome green weathering, nonmineralized basalt from site 119 (100th percentile, 13.77%) and at site 49 from a sample of medium green weathering, strongly lineated, nonmineralized pillow basalt (99th percentile, 8.57%). Albitization is documented from pillow selvages at this site. Two 98th percentile responses (8.34–8.46%) occur at sites 9 (rusty weathering andesite) and 96 (basalt with rusty weathered carbonate veinlets).

K: Significant K enrichment in the northern Knee Lake belt is present at site 84 with a 100th percentile of 1.14% (grey-green weathering, fine-grained greywacke with 1–2% disseminated pyrite). A 99th percentile response of 0.81% occurs at site 220 in a sample of fine-grained, grey weathering intermediate-mafic sedimentary gneiss that is nonmineralized. The remainder of the samples contain low levels of K.

Mg: The highest Mg contents are documented from site 226 (100th percentile, 4.61%) in a sample of grey weathering, fine-grained, strongly foliated, intermediate-mafic sedimentary gneiss. The 99th percentile response of 4.35% occurs at site 119 in dark chrome green weathering, nonmineralized fine-grained basalt. There appears to be no systematic areal Mg variation in the 2000 samples.

Na: Patterns of regional or localized Na depletions are absent from the 2000 survey data. Sodium is elevated in respect to the remainder of the rock samples at site 45 (100th percentile, 0.37%) in a sample of light-medium green weathering, fine-grained basalt. This rock is visibly nonmineralized but is marked by localized rusty weathering patches.

P: Phosphorus responses in the northern Knee Lake belt tend to be scattered without particular focus. The 100th percentile response of 0.16% occurs at site 84 (greywacke with 1–2% disseminated pyrite) and with lesser responses at adjacent sites 114 (98th percentile, 0.089–0.124%) and 113 (95th percentile, 0.076–0.084%). A 99th percentile response of 0.133% occurs at site 6 in pink weathering granite.

S: High- to moderate-contrast responses were observed at sites 95 (100th percentile, 2.64%), 153 (99th percentile, 2.50%) and sites 102 and 160 (98th percentile, 2.08–2.39%). Site 95 is characterized by a dark green and locally rusty weathering melagabbro with 5% disseminated pyrite and pyrrhotite. The gabbro hosts a white, rusty weathering quartz vein with 1–2% disseminated disseminated pyrite and pyrrhotite. The high S value from site 153 is related to base-metal sulphide mineralization in five samples collected at the Knee Lake Gold Mines property. Samples contained disseminated pyrite, pyrrhotite, chalcopyrite and sphalerite. Sites 102 and 160 are characterized by massive gabbro with 5% disseminated pyrrhotite and silicified basalt with 5–10% disseminated and veinlet pyrite.

Ti: Ti contents for samples collected from the north half of the Knee Lake belt in 2000 directly reflect rock type. The 100th percentile of 0.37% documents a dark chrome green weathering, fine-grained basalt at site 119. A medium green weathering basalt at site 96 contains 0.33% Ti (99th percentile response) whereas a pink weathering granite at site 6 contains 0.13%, a 50th percentile response.

Flow-injection mercury system (FIMS)

Hg: The highest Hg responses in the 2000 survey occur along the western shore of northern Knee Lake. The 100th percentile response of 167 ppb occurs at site 358 in rusty weathering, strongly foliated sedimentary rocks with 1% disseminated pyrite. Adjacent sites 111 and 31 are 98th percentile responses (23–52 ppb) in samples of blue-white weathering, nonmineralized quartz vein and highly altered pillow basalt, respectively. The 99th percentile response (65 ppb) is associated with altered mafic tuffaceous rocks at the site of the Knee Lake Gold Mines and Johnston Knee Lake Gold Mines property (site 153).

Hydrogen ion (H^+)

H^+: Hydrogen ion, the corrected form of pH, is characterized by low-contrast responses in the 2000 survey area. The highest response of 5 ppb occurs in a silicified basalt with up to 10 % disseminated and veinlet pyrite at site 160. This site is situated on an island just west of the Knee Lake/Johnson Knee Lake gold deposit.

Specific conductance *K* (water-extractable metal)

K: Specific conductance responses in the 2000 survey area are low contrast with the 100th percentile occurring at site 95 from a sample of rusty weathering gabbro with 1–2% disseminated pyrite and pyrrhotite. A 99th percentile is documented from site 34 at the Second Narrows, an area previously explored for Au mineralization. The sample at site 34 is a rusty weathering chert-graphite-pyrite float.

Synthesis

Significant rock geochemical flux in the 2000 survey area can be partly attributed to the presence of known mineralization and structural features defined by previous exploration and mapping projects. Multiple, ground and airborne electromagnetic (EM) and magnetic anomalies occur east and northeast of the north end of Cinder Lake in the southern part of the 2000 survey area. Diamond-drill testing of these responses identified 0.3–10 m zones of near-massive sulphide mineralization that consists predominantly of pyrite with lesser chalcopyrite and sphalerite and nil gold or silver. These anomalies are developed within felsic volcanic rocks and graphitic sedimentary rocks (Hosain, 1999). In the Parker Lake area, coincident magnetic and electromagnetic responses are noted in association with a unit of greywacke and arenite. The same rock type at Mines Point on the northwest shore of Knee Lake hosts a large number of geophysical conductors (cf. Maps OF99-7-26 and -33, Hosain, 1998).

The main source of base- and precious-metal anomalies in this year's survey is the property of Knee Lake Gold Mines (site 153), as well as the adjacent property that was partly developed by Johnston Knee Lake Gold Mines. A total of five samples collected from trench muck and ore/muck piles at these sites contained high base- and precious-metal values.

The analytical results for each of the five samples are presented in Appendices R-2 and R-4. The host rocks at these occurrences have been strongly silicified and altered with the introduction of base and precious metals Cu, Pb and Zn (with elevated contents of associated Cd, As, S and Hg) during deformation. Although there is abundant quartz in samples collected from the muck piles, there is very little mineralization in the quartz veins. Disseminated, blebby and veinlet pyrite±chalcopyrite and sphalerite are present in mafic (?)tuffaceous wallrocks that have been strongly deformed and altered. The possibility exists that the base-metal and iron-sulphide mineralization represents mobilizate from an earlier site of mineralization. The precious metals may have been precipitated from subsequent hydrothermal solutions that accompanied later deformation and also mobilized Cu and Zn sulphide minerals from a base-metal massive-sulphide deposit. Massive-sulphide–type deposits have been documented in the northern portion of the Knee Lake belt (cf. Gale et. al. (1980); Map ER79-1-11). The current residence site for the base and precious metals is probably controlled by a northeast-trending fault that parallels the shoreline of northern Knee Lake or an associated subsidiary splay off of this fault.

Elsewhere in the 2000 survey area, a number of base- and precious-metal anomalies warrant follow-up. A float sample of graphite-chert-pyrite, clearly a product of chemical sedimentation, occurs at site 34. This sample has elevated Au (99th percentile, 36–49 ppb), As (99th percentile, 257 ppm) and Sb (100th percentile, 13.3 ppm). The geochemical signature comprises precious-metal and associated elements and therefore some effort is warranted in following up the source region of this rock type. An altered basalt exposed at site 46 is somewhat anomalous in metal content (58 ppm Co, 100th percentile), but the presence of an amphibole-biotite-pyrite vein system is suggestive of alteration accompanying a mineralizing event and warrants more work. A locally rusty weathered gabbro with 5% disseminated pyrite and pyrrhotite is crosscut by a white quartz vein mineralized with minor iron-sulphide minerals. The analytical results for two samples from these rock types indicated elevated precious metals (163 ppb Au and 0.2–3.5 ppm Ag). A closer examination of the site is warranted. Site 111 is located on a small island with strongly altered pillow basalt and disseminated, veinlet and nearmassive iron-sulphide mineralization. The exposure of this mineralized and highly altered rock was only visible at low water levels. The occurrence is an example of a massive-sulphide–type depositional environment and the area should be assessed for base-metal potential. An occurrence of disseminated dark green to black Mg-Fe chlorite alteration in a basalt at site 117 is also suggestive of alteration accompanying massive-sulphide–type mineralization. Additional work at this occurrence should be undertaken. Finally, a silicified and sericitic rhyolite exposed at site 107 is characterized by a 100th percentile response for Mo (4.9 ppm). The altered rhyolite should be examined to determine the stratigraphic relationships of this particular alteration, as well as its geochemical characteristics, utilizing high-precision major- and trace-element geochemical methods. Previous precious-metal exploration undertaken at the Second Narrows in northern Knee Lake identified a northwest-trending zone of Au mineralization. Rock geochemical results from this area indicate elevated As and Sb in this area.

There are abundant single-site geochemical and alteration anomalies that are highly suggestive of massive-sulphide–type base-metal deposits. The relatively small number of rock-chip samples that were collected in 2000 makes it difficult to assess in a reasonable manner the mineral deposit potential of the north end of the Knee Lake greenstone belt. This is true for geochemical and/or stratigraphic-structural assessments. The lack of exposure is due to extensive till and organic deposits in the area and, accordingly, mineral-potential assessment will require a full integration of surficial geochemical data with bedrock geochemical results to better understand this portion of the belt.

Conclusions and recommendations

The following conclusions flow from a preliminary assessment of 2000 rock geochemical data:

1. Rock geochemical data confirm the metallogenetic significance of the area of Knee Lake Gold Mines and Johnson Knee Lake Gold Mines properties at site 153.

2. Alteration typical of massive-sulphide–type mineralization is identified in rock geochemical data and in geological observations from limited exposures along the lakeshore and islands in northern Knee Lake. Single site/sample anomalies are the norm owing to extensive organic and till cover. The massive-sulphide–type alteration zones should be followed up to determine stratigraphic and structural relationships, as well as major- and trace-element characteristics.

3. The controlling structure at the Knee Lake Gold Mines property parallels the long axis of the northern end of Knee Lake. Its potential along-strike extension is unknown, as is the possibility of associated subsidiary splays. These structural elements should be considered as having good potential to host base- and precious-metal mineralization. The absence of outcrop may necessitate exploration based on surficial geochemical follow-up of geophysical responses.

4. Numerous gabbro intrusions were encountered during the 2000 survey. Owing to time and budgetary constraints, the gabbro samples collected were not analyzed for platinum-group metals. A program should be established to revisit and sample these intrusions.

5. Northwest-trending structures with mafic dykes and geochemical responses with similar orientations are suggestive of structurally controlled mineralized zones. This is apparent at the Second Narrows in northern Knee Lake, where previous exploration has delineated a northwest-trending zone of gold mineralization. Lineaments or other topographic features with this orientation should be reviewed for their mineral potential.

APPENDIX R-1

Outcrop Rock Chip Sample Descriptions.

OOR-6:	pink-weathering granite; disseminated pyrite (1%) and chlorite along fractures.
OOR-8:	grey-green and rusty-weathering andesite; carbonate veinlets; no visible sulphide minerals.
OOR-9:	light green-weathering andesite; rusty weathering fractures with carbonate; no visible sulphide minerals.
OOR-10:	light-medium green-weathering, medium grained basalt/gabbro; rusty weathering fractures with carbonate; no visible sulphide minerals.
OOR-12:	olive green-weathering, fine grained dacite with "pin-head" sized black-dark green chlorite; no visible sulphide minerals.
OOR-13:	light green-weathering andesite with rusty weathering, non-mineralized white quartz veins.
OOR-15:	dark green-weathering, fine grained, massive basalt with carbonate-filled fractures; no visible sulphide minerals.
OOR-16:	black fine-grained argillite; locally rusty weathering; 15% pyrite blebs and laminae.
OOR-27:	grey-green-weathering, medium grained gabbro with 1 cm amphibole crystals; locally rusty weathering; no visible sulphide minerals.
OOR-28:	grey-green-weathering gabbro; occasional speck of iron oxide; no visible sulphide minerals.
OOR-31:	blue and white, rusty weathering quartz vein; no visible sulphide minerals.
OOR-34:	rusty weathering chert-graphite-pyrite float; 5% pyrite as disseminations and laminae.

OOR-40: olive to chrome green-weathering basalt; locally rusty weathered silicified and crosscut by carbonate veinlets; 1-2% disseminated pyrrhotite.

OOR-42: green-grey-weathering leucogabbro; rusty weathering fractures; no visible sulphide minerals.

OOR-44: light green-weathering basalt; locally rusty weathered, carbonate-filled fractures; no visible sulphide minerals.

OOR-45: light-medium green weathering, fine-grained basalt; local rusty weathering patches; no visible sulphide minerals.

OOR-46: medium green-weathering altered basalt; matrix is crosscut by rusty weathering amphibole-biotite pyrite veins with 3-5% disseminated pyrite.

OOR-49: medium green-weathering, strongly lineated, pillowed basalt; albitization along pillow selvages; no visible sulphide minerals.

OOR-51: light-medium green-weathering gabbro; 1-2% disseminated pyrite and pyrrhotite and 5% disseminated magnetite; local calcite-filled fractures.

OOR-60: medium green-weathering basalt; locally rusty weathered; 1% very fine grained pyrite along fractures.

OOR-61: chrome green-weathering basalt; rusty weathering calcite-filled fractures; no visible sulphide minerals.

OOR-62: pale green-weathering basalt; local rusty weathered patches; no visible sulphide minerals.

OOR-84: grey-green-weathering, fine grained greywacke; 1-2% disseminated pyrite; local rusty weathered patches; tourmaline-quartz vein also in this outcrop but not sampled.

OOR-89: pink-grey-weathering, foliated, jointed, medium grained granite; localized fine fractures with 1% disseminated pyrite.

OOR-94 white, rusty-weathering quartz vein in gabbro; no visible sulphide minerals.

OOR-95-1: dark green-weathering melagabbro; locally rusty weathered patches; 5% disseminated pyrite and pyrrhotite.

OOR-95-2: white, rusty-weathering quartz vein in gabbro; 1-2% disseminated pyrite and pyrrhotite.

OOR-96: medium green-weathering basalt; weakly rusty weakened carbonate veinlets; no visible sulphide minerals.

OOR-102: green-weathering, massive gabbro with up to 0.5 cm amphibole crystals; locally rusty weathered with 5% disseminated pyrrhotite.

OOR-107: grey-weathering rhyolite; locally sericitic, silicified, rusty weathered and fine-grained, minor carbonate veinlets; no visible sulphide minerals.

OOR-108: light-medium green-weathering basalt; local rusty weathered patches with carbonate veinlets; no visible sulphide minerals.

OOR-109: grey-weathering, massive and pillowed basalt; local rusty weakened patches with 1-2% disseminated pyrrhotite restricted to fractures.

OOR-110: light green-weathering fine-grained, massive basalt; local rusty weathered patches with carbonate veinlets; no visible sulphide minerals.

OOR-111: white to light green and rusty-weathering pillow basalt; 10 m exposure of silicified, very fine grained to cherty basalt with disseminated, veinlet and near solid pyrrhotite and pyrite laminae; rusty weathered zone can be traced from the south shore of a small island to the island's north shore; appears to be a silicified and mineralzed shear zone in basalt trending 175° with a near vertical dip.

OOR-113: light green-white-weathering quartz-feldspar porphyry; 2-3 mm phenocrysts; locally rusty weathered with 1-2% disseminated pyrite and lesser chalcopyrite.

OOR-114: medium green-weathering basalt; 3-4 mm hornblende crystals; locally rusty weathered with 1% disseminated pyrite as euhedral grains.

OOR-115: grey-green-weathering massive and pillow basalt; localized rusty weathered patches; no visible sulphide minerals.

OOR-116: grey-green-weathering massive basalt; crosscut by rusty weathering, blue quartz veins; no visible sulphide minerals in basalt or quartz veins.

OOR-117: light-medium green-weathering basalt; disseminated dark green to black "fish-scale" Mg-Fe chlorite alteration; no visible sulphide minerals.

OOR-119: dark chrome green-weathering, fine grained, strongly foliated basalt; crosscut by fine, carbonate-filled fractures; no visible sulphide minerals.

OOR-121: medium grey-green-weathering pillow basalt; locally rusty weathered with quartz and carbonate veins; no visible sulphide minerals.

OOR-122: grey-weathering quartz-feldspar porphyry; 2-3 mm quartz phenocrysts and < 1 mm-1 mm feldspar phenocrysts; <1% disseminated pyrite and chalcopyrite.

OOR-125: grey-white-weathering rhyolite locally rusty weathered and silicified; 1% disseminated pyrite and galena.

OOR-126 grey-weathering silicified basalt (?); no visible sulphide minerals.

OOR-128: Grey-weathering, cherty, silicified and locally rusty weathered large, angular float; 1% disseminated pyrite; lithology uncertain.

OOR-129: dark green-weathering, fine-grained basalt; locally silicified and epidotized; no visible sulphide minerals.

OOR-131: dark green-weathering, fine-grained basalt; locally rusty weathered with 1-2% disseminated pyrite and chalcopyrite.

OOR-132: medium to light green-weathering basalt; local rusty weathered fractures; no visible sulphide minerals.

OOR-133: dark green-weathering mafic volcaniclastic rock; local rusty weathering zones with thin pyrite films coating fractures.

OOR-143: pink to white-weathering, non-mineralized granite.

OOR-151: dark green-weathering, dense, medium-grained gabbro; locally rusty weathered fractures; no visible sulphide minerals.

OOR-153-1: composite sample of quartz vein and silicified wallrock (basalt?); both contain 1-5% disseminated pyrrhotite, pyrite and lesser chalcopyrite.

OOR-153-2: chip sample collected from silicified basalt trench muck; 2-3% pyrite and pyrrhotite; 1% disseminated chalcopyrite and sphalerite.

OOR-153-3: chip sample collected from silicified basalt trench muck; 5-7% disseminated sphalerite pyrite, chalocopyrite and pyrrhotite.

OOR-153-4: chip sample from muck pile; comprises silicified basalt and white quartz vein material; 1-3% disseminated pyrrhotite, pyrite, and rare chalcopyrite.

OOR-153-5: chip sample from muck pile comprising strongly rusty-weathered white quartz vein with wallrock inclusions and wallrock with 1-2% disseminated pyrite and pyrrhotite.

OOR-157: dark green-weathering basalt; quartz-carbonate veins without visible sulphide minerals.

OOR-160: green-grey-weathering, silicified basalt; locally rusty weathered with 5-10% disseminated and veinlet pyrite.

OOR-178: grey-green-weathering gabbro; locally rusty weathered with 1% disseminated pyrrhotite and pyrite.

OOR-182: grey-weathering, fine-grained, foliated, massive greywack; no visible sulphide minerals.

OOR-209: fine-grained, green-black-weathering, biotite-rich mafic sediment, no visible sulphide minerals.

OOR-210: fine-grained, grey-weathering, carbonate-altered and locally weakly rusty weathered intermediate-mafic sedimentary rock, no visible sulphide minerals.

OOR-220: fine-grained, grey-weathering, intermediate-mafic sedimentary rock; no visible sulphide minerals.

OOR-226: fine-grained, grey-weathering intermediate-mafic sedimentary rock; rusty weathered on foliation planes; strongly foliated; no visible sulphide minerals.

OOR-227: fine-medium-grained, grey-green weathering mafic volcanic rock; strongly foliated, no visible sulphide minerals.

OOR-324: weakly rusty weathered, granitoid gneiss; no visible sulphide minerals.

OOR-358: light grey-white and rusty-weathered, strongly foliated sedimentary rock; <1% disseminated pyrite.

OOR-360: fine grained, rusty-weathering, partly epidotized intermediate mafic sedimentary rock; 1-5% disseminated Py.

OOR-362: fine grained, strongly foliated, carbonate-altered intermediate mafic sedimentary rock; no visible sulphide minerals.

OOR-366: fine grained foliated, partly rusty weathered, biotite-rich, intermediate-mafic sedimentary rock; no visible sulphide minerals.

Appendix R-2

ICP-AES, H^+, *K* and Hg Analyses.

Sample Site	Utm		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	Ba	Be	Bi	Ca	Co	Cr
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
2000R-6	380742.38	6092790.50	0.1	0.3	50	238	1	5	56	31	0.16	5	113	0.5	5	1.65	3	7
2000R-8	384794.28	6092294.50	0.1	0.3	117	1503	1	118	1	90	3.08	5	53	0.5	5	3.23	38	162
2000R-9	384964.69	6093535.50	0.1	0.6	88	2353	1	104	7	96	3.38	5	9	0.5	5	5.68	33	138
2000R-10	386124.94	6091321.50	0.1	1.2	72	586	1	76	3	63	2.08	5	10	0.5	5	1.21	21	41
2000R-12	386406.75	6094751.50	0.1	1.8	104	959	1	230	1	65	2.24	5	10	0.5	5	3.14	44	427
2000R-13	382872.97	6094968.00	0.1	0.7	99	879	1	171	4	48	2.46	5	15	0.5	5	3.82	32	126
2000R-15	385545.63	6095757.00	0.1	0.6	90	781	1	73	1	72	2.77	5	44	0.5	5	5.82	25	96
2000R-16	389243.59	6093479.00	0.1	0.5	58	326	1	75	6	67	1.94	5	115	0.5	5	0.15	13	101
2000R-27	387695.53	6094386.00	0.1	0.7	105	459	1	53	1	26	2.76	5	19	0.5	5	2.02	22	7
2000R-28	392562.69	6091566.00	0.1	0.3	103	282	1	108	1	35	2.61	5	30	0.5	5	1.98	18	213
2000R-31	386046.34	6098399.00	0.1	0.3	4	354	1	9	29	21	0.31	5	99	0.5	5	2.57	3	5
2000R-34	387794.94	6101729.00	0.1	0.3	18	57	2	58	21	30	0.07	397	11	0.5	5	0.29	28	3
2000R-40a Analytical Duplicate	396930.69	6095529.50	0.1	0.3	25	516	3	69	1	35	1.20	5	12	0.5	5	0.61	28	82
2000R-40b Analytical Duplicate	396930.69	6095529.50	0.1	0.3	25	493	1	68	1	34	1.11	5	12	0.5	5	0.46	27	79
2000R-42	392622.44	6095510.50	0.1	0.3	90	452	1	50	3	36	1.37	5	12	0.5	5	1.32	19	50
2000R-44	396369.22	6096019.00	0.1	0.3	120	296	1	51	2	21	1.44	5	14	0.5	5	2.70	11	27
2000R-45	395159.84	6097386.00	0.1	0.3	120	1000	1	140	6	116	4.98	5	197	0.5	5	2.93	44	177
2000R-46	396015.28	6097819.50	0.1	1.1	259	1183	1	184	1	88	3.22	5	88	0.5	5	4.47	58	251
2000R-49	396828.66	6100814.00	0.1	1.0	119	1187	1	139	1	89	3.47	5	59	0.5	5	3.51	40	159
2000R-51	393755.47	6100100.50	0.1	1.0	91	1135	1	98	1	98	3.44	5	10	0.5	5	3.12	40	127
2000R-60	395773.38	6101007.00	0.1	1.2	107	530	1	88	1	61	2.33	5	20	0.5	5	1.28	27	97
2000R-61	392900.03	6100991.00	0.1	0.8	206	812	1	663	1	29	0.95	5	232	0.5	5	5.16	49	488
2000R-62	389885.03	6101959.00	0.1	0.3	84	901	1	85	1	82	2.49	5	152	0.5	5	1.44	35	104
2000R-84	393512.25	6096425.00	0.1	0.8	88	727	1	45	7	130	1.91	5	620	0.5	5	3.47	29	12
2000R-89	408752.84	6106602.00	0.1	1.0	14	349	1	10	3	62	0.85	5	85	0.5	5	0.36	4	9
2000R-95-1 Field Duplicate	388530.53	6092366.00	0.1	0.3	78	1139	1	10	7	37	1.60	5	11	0.5	5	0.52	27	1
2000R-95-2 Field Duplicate	388530.53	6092366.00	3.5	1.5	22	824	2	6	13	19	0.56	5	9	0.5	5	2.56	10	4
2000R-96a Analytical Duplicate	386122.09	6093126.50	0.1	0.3	81	1137	1	46	3	105	2.57	5	9	0.5	5	2.56	32	29
2000R-96b Analytical Duplicate	386122.09	6093126.50	0.1	0.8	91	1347	1	53	4	121	3.25	5	14	0.5	5	3.25	37	35
2000R-102-1 Field Duplicate	392650.41	6096653.00	0.1	1.2	307	541	1	200	3	126	2.61	5	81	0.5	5	0.77	49	119
2000R-102-2 Field Duplicate	392650.41	6096653.00	0.1	0.7	380	325	1	168	5	71	1.69	5	53	0.5	5	0.73	44	105
2000R-107	388936.94	6101455.50	0.1	0.7	1	191	1	10	1	11	1.10	5	57	0.5	5	2.09	2	7
2000R-108	385521.41	6099638.00	0.1	0.3	98	955	1	68	1	63	2.64	5	14	0.5	5	1.66	27	118
2000R-109	386132.81	6096368.00	0.1	0.8	73	733	1	83	1	44	2.95	5	29	0.5	5	2.61	28	205
2000R-110	386549.38	6095571.00	0.1	0.3	75	1284	1	81	3	56	2.88	5	13	0.5	5	7.32	28	227
2000R-111	386359.69	6099886.50	0.1	0.6	112	377	3	85	5	329	1.27	5	76	0.5	5	0.39	29	32
2000R-113	392921.88	6098805.00	0.1	2.1	44	522	1	189	3	61	1.76	5	258	0.5	5	1.84	25	228
2000R-114	392777.34	6097588.00	0.1	0.3	32	628	1	22	21	70	1.57	5	94	0.5	5	4.31	10	40
2000R-115	391675.25	6095251.50	0.1	1.4	87	837	1	107	1	67	2.11	10	109	0.5	5	1.69	31	187
2000R-116	389621.63	6095117.50	0.1	0.3	85	1257	1	122	1	165	3.55	5	72	0.5	5	2.00	39	186
2000R-117	390853.22	6096177.00	0.1	0.3	90	1693	1	206	1	94	3.59	5	15	0.5	5	4.22	47	289
2000R-119	387047.13	6096397.00	0.1	0.3	1	1524	1	19	6	121	4.55	5	105	2.4	5	0.90	52	1
2000R-121	388949.72	6097695.50	0.1	0.3	24	1421	1	103	1	64	2.92	5	14	0.5	5	5.54	26	180
2000R-122	390079.06	6098127.00	0.1	0.3	8	389	1	33	6	54	1.32	5	148	0.5	5	3.14	11	47
2000R-125-1 Field Duplicate	388349.84	6102123.50	0.6	0.3	3	255	1	3	95	15	0.27	5	42	0.5	5	1.76	1	3
2000R-125-2 Field Duplicate	388349.84	6102123.50	0.1	0.3	1	278	3	5	26	14	0.24	5	34	0.5	5	2.00	1	3
2000R-125-3 Field Duplicate	388349.84	6102123.50	0.1	0.3	1	429	3	8	13	16	0.28	21	183	0.5	5	2.09	5	4

Sample Site	Utm		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	Ba	Be	Bi	Ca	Co	Cr
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
2000R-125-4 Field Duplicate	388349.84	6102123.50	0.1	0.3	4	424	4	8	12	17	0.22	16	168	0.5	5	1.76	6	3
2000R-126	389293.28	6102642.00	0.1	0.3	45	242	1	39	3	30	0.92	12	84	0.5	5	1.10	16	42
2000R-128	390869.06	6103009.00	0.1	0.3	9	261	2	11	2	58	0.87	5	99	0.5	5	1.12	7	4
2000R-129	391955.44	6103866.00	0.1	0.3	76	280	1	41	1	18	1.42	5	30	0.5	5	2.92	10	32
2000R-131a Analytical Duplicate	393909.19	6105750.00	0.1	0.3	100	476	4	24	4	28	1.57	5	34	0.5	5	2.57	11	45
2000R-131b Analytical Duplicate	393909.19	6105750.00	0.1	0.3	101	491	4	25	1	29	1.62	5	36	0.5	5	2.64	12	47
2000R-132	394643.75	6105112.00	0.1	0.3	156	401	1	71	1	33	2.24	5	18	0.5	5	2.21	19	67
2000R-133	395632.94	6104304.50	0.1	0.3	158	562	1	83	1	61	2.04	5	28	0.5	5	1.50	29	98
2000R-143	398945.84	6104816.50	0.1	0.3	2	157	1	9	8	46	0.60	5	108	0.5	5	0.51	3	8
2000R-151	402635.81	6106941.00	0.1	0.3	85	313	1	173	1	21	1.68	5	32	0.5	5	1.50	22	292
2000R-153-1 Field Duplicate	403857.41	6108381.00	1.3	0.8	539	167	2	64	1	213	0.56	59	62	0.5	5	0.53	28	9
2000R-153-2 Field Duplicate	403857.41	6108381.00	3.2	0.3	726	221	1	55	36	92	0.55	58	79	0.5	5	0.55	25	14
2000R-153-3 Field Duplicate	403857.41	6108381.00	56.1	73.3	2165	229	1	44	150	16200	0.12	20	14	0.5	5	0.03	10	4
2000R-153-4 Field Duplicate	403857.41	6108381.00	9.3	0.3	121	189	2	42	5	45	0.63	1073	88	0.5	5	1.33	14	41
2000R-153-5 Field Duplicate	403857.41	6108381.00	8.3	0.3	390	160	1	59	62	42	0.56	378	35	0.5	5	0.30	76	12
2000R-157	402663.81	6108717.50	0.1	0.3	197	594	1	294	1	19	1.40	5	305	0.5	5	6.29	30	278
2000R-160	399579.41	6108137.00	0.1	0.3	69	581	1	110	6	14	2.56	5	63	0.5	5	0.60	42	175
2000R-172	387049.19	6096700.50	0.1	0.3	2	457	1	27	1	15	0.60	18	27	0.5	5	1.32	5	57
2000R-178	383961.50	6096975.00	0.1	0.3	149	2036	1	64	1	72	3.79	5	31	0.5	5	8.12	25	285
2000R-182a Analytical Duplicate	385706.34	6102721.00	0.1	0.3	44	835	1	73	1	47	2.35	5	13	0.5	5	0.98	20	185
2000R-182b Analytical Duplicate	385706.34	6102721.00	0.1	0.3	44	827	1	72	1	46	2.33	5	13	0.5	5	0.98	20	186
2000R-209	377791.78	6097599.50	0.1	0.3	69	392	1	39	2	50	1.41	5	23	0.5	5	1.53	17	51
2000R-210	378771.63	6097898.50	0.1	0.3	87	385	1	22	1	23	1.18	5	25	0.5	5	2.96	9	56
2000R-220	381027.66	6110614.00	0.1	0.3	37	372	1	63	2	43	1.63	5	731	0.5	5	0.65	16	110
2000R-226	385778.38	6102867.50	0.1	0.3	5	2211	1	103	6	112	3.92	5	13	0.5	5	1.34	30	249
2000R-227	389816.63	6100772.00	0.1	0.3	50	761	1	44	1	76	2.12	5	23	0.5	5	0.44	27	22
2000R-324	405468.59	6118863.50	0.1	0.3	17	375	1	17	2	68	1.31	5	186	0.5	5	0.50	10	25
2000R-358	384700.47	6100007.50	0.1	0.3	36	994	1	63	13	53	0.81	30	131	0.5	5	2.89	16	29
2000R-360	377658.47	6095328.00	0.1	0.3	81	535	6	61	1	30	1.31	5	23	0.5	5	1.77	22	67
2000R-362	380254.41	6098643.00	0.1	0.3	155	1491	1	29	1	40	1.21	5	17	0.5	5	8.03	20	29
2000R-366	376100.69	6107566.50	0.1	0.3	82	416	1	26	1	26	1.12	5	42	0.5	5	1.86	12	21

Sample Site	Fe	K	Mg	Na	P	Sb	Sc	Sn	Sr	Ti	V	W	Y	Zr	S	H^+	K	Hg
	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppb	mhos cm^{-1}	ppb
2000R-6	1.36	0.07	0.14	0.06	0.133	5	1	5	148	0.13	42	5	24	3	0.106	-1.9951	13.6094	3
2000R-8	6.83	0.09	2.58	0.06	0.019	5	2	5	14	0.15	134	5	1	1	0.007	-1.9952	25.7776	3
2000R-9	8.34	0.01	2.37	0.02	0.023	5	2	5	15	0.11	128	5	1	1	0.005	-1.9952	30.6878	3
2000R-10	4.37	0.01	2.39	0.02	0.018	5	1	5	12	0.11	41	5	3	1	0.009	-1.9951	21.2887	3
2000R-12	4.34	0.01	2.21	0.06	0.021	5	3	5	30	0.13	47	5	1	1	0.173	-1.9952	27.0389	7
2000R-13	4.11	0.02	2.26	0.12	0.017	5	5	5	23	0.14	66	5	2	1	0.149	-1.9952	27.9787	3
2000R-15	6.34	0.14	1.99	0.02	0.062	5	5	5	96	0.03	81	5	8	1	0.039	-1.9952	29.8787	3
2000R-16	5.87	0.30	1.75	0.03	0.081	5	2	5	50	0.04	29	5	2	1	0.398	-1.9350	13.5451	10
2000R-27	3.01	0.02	1.64	0.26	0.022	5	3	5	38	0.11	34	5	3	1	0.071	-1.9951	18.9094	6
2000R-28	2.29	0.03	1.67	0.33	0.026	5	4	5	50	0.13	44	5	5	1	0.032	-1.9951	9.4312	3
2000R-31	0.58	0.12	0.22	0.03	0.029	5	1	5	373	0.03	4	5	3	1	0.013	-1.9952	31.4325	23
2000R-34	1.93	0.01	0.06	0.06	0.032	15	1	5	13	0.01	1	5	2	2	1.962	-1.8929	48.6439	13
2000R-40a Analytical Duplicate	2.88	0.02	1.17	0.05	0.020	5	3	5	30	0.12	47	5	1	1	0.191	-1.9937	7.8226	3
2000R-40b Analytical Duplicate	2.73	0.01	1.13	0.04	0.020	5	2	5	21	0.10	42	5	1	1	0.186			
2000R-42	2.65	0.01	1.52	0.03	0.029	5	1	5	8	0.06	31	5	2	1	0.047	-1.9951	25.8374	3
2000R-44	1.04	0.01	0.29	0.18	0.045	5	3	5	28	0.03	20	5	3	1	0.144	-1.9951	33.6374	3
2000R-45	7.41	0.28	2.29	0.37	0.045	5	13	5	49	0.14	275	5	4	1	0.075	-1.9951	29.0436	3
2000R-46	7.56	0.11	3.07	0.07	0.026	5	9	5	34	0.15	149	5	6	1	0.862	-1.9952	32.0283	3
2000R-49	8.57	0.07	3.10	0.05	0.026	5	11	5	9	0.08	204	5	4	1	0.038	-1.9951	33.4887	3
2000R-51	7.50	0.01	4.21	0.03	0.036	5	10	5	46	0.28	143	5	7	1	0.058	-1.9952	27.1878	3
2000R-60	5.03	0.03	2.54	0.10	0.042	5	6	5	23	0.19	84	5	8	1	0.080	-1.9951	13.4209	3
2000R-61	2.42	0.39	0.78	0.04	0.033	5	4	5	65	0.32	57	5	2	1	0.167	-1.9952	32.3226	3
2000R-62	5.81	0.08	1.67	0.05	0.039	5	16	5	32	0.11	172	5	5	1	0.043	-1.9951	26.3094	3
2000R-84	5.70	1.14	1.37	0.04	0.162	5	4	5	76	0.21	77	5	15	1	0.157	-1.9952	33.2077	3
2000R-89	1.76	0.50	0.49	0.10	0.048	5	1	5	14	0.14	22	5	5	1	0.027	-1.9949	7.3014	3
2000R-95-1 Field Duplicate	10.39	0.02	0.74	0.04	0.105	5	14	5	5	0.11	25	5	14	4	3.928	10.5940	69.1948	12
2000R-95-2 Field Duplicate	3.77	0.02	0.32	0.03	0.033	5	5	5	27	0.03	8	5	4	1	1.348	-1.9951	50.0841	
2000R-96a Analytical Duplicate	6.70	0.01	2.14	0.02	0.053	5	2	5	15	0.08	93	5	5	1	0.093	-1.9951	29.4887	3
2000R-96b Analytical Duplicate	8.46	0.01	2.61	0.05	0.057	5	5	5	31	0.33	131	5	8	1	0.100			
2000R-102-1 Field Duplicate	6.10	0.17	2.99	0.11	0.028	5	2	5	16	0.16	46	5	2	1	1.582	-1.9883	35.5109	3
2000R-102-2 Field Duplicate	5.84	0.13	1.91	0.12	0.031	5	2	5	15	0.21	47	5	4	2	2.560	-0.2170	53.0758	
2000R-107	0.67	0.12	1.78	0.08	0.040	5	1	5	38	0.07	11	5	3	1	0.001	-1.9952	30.0226	3
2000R-108	5.35	0.01	2.56	0.06	0.029	5	5	5	23	0.30	75	5	3	1	0.132	-1.9951	28.0395	3
2000R-109	3.88	0.04	2.52	0.23	0.020	5	5	5	26	0.21	60	5	4	1	0.200	-1.9952	25.0887	21
2000R-110	4.82	0.01	3.18	0.08	0.023	5	6	5	23	0.22	95	5	5	1	0.012	-1.9952	34.6114	3
2000R-111	3.99	0.18	1.13	0.06	0.053	5	4	5	5	0.19	23	5	7	3	1.507	-1.5275	33.5311	52
2000R-113	2.97	0.41	1.52	0.08	0.084	5	5	5	169	0.26	61	5	4	1	0.069	-1.9952	24.7578	3
2000R-114	2.82	0.12	1.51	0.05	0.124	5	2	5	146	0.02	23	5	9	1	0.112	-1.9952	38.1389	3
2000R-115	4.04	0.23	2.28	0.02	0.022	5	2	5	11	0.12	47	5	1	1	0.026	-1.9952	27.3887	3
2000R-116	5.12	0.06	3.85	0.15	0.051	5	5	5	18	0.32	125	5	6	1	0.002	-1.9951	23.0633	3
2000R-117	6.35	0.01	3.55	0.06	0.026	5	5	5	17	0.25	76	5	2	1	0.001	-1.9952	29.8887	3
2000R-119	13.77	0.24	4.35	0.03	0.020	5	10	5	16	0.37	713	5	5	1	0.001	-1.9951	14.6209	7
2000R-121	5.13	0.01	3.03	0.05	0.027	5	6	5	45	0.25	82	5	5	1	0.001	-1.9952	30.4389	3
2000R-122	2.04	0.33	1.33	0.07	0.060	5	3	5	126	0.12	27	5	2	1	0.295	-1.9952	34.3422	3
2000R-125-1 Field Duplicate	0.60	0.13	0.60	0.08	0.015	5	1	5	97	0.01	4	5	2	1	0.057	-1.9952	28.6077	3
2000R-125-2 Field Duplicate	0.68	0.13	0.70	0.07	0.028	5	1	5	114	0.01	4	5	3	1	0.078	-1.9952	26.9787	
2000R-125-3 Field Duplicate	1.52	0.16	0.62	0.05	0.064	5	1	5	214	0.01	5	5	2	1	0.106	-1.9951	25.8870	

Sample Site	Fe	K	Mg	Na	P	Sb	Sc	Sn	Sr	Ti	V	W	Y	Zr	S	H^+	K	Hg
	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppb	mhos cm^{-1}	ppb
2000R-125-4 Field Duplicate	1.47	0.13	0.51	0.05	0.073	5	1	5	187	0.01	4	5	3	1	0.140	-1.9951	20.9209	
2000R-126	1.33	0.14	0.98	0.03	0.076	5	2	5	62	0.10	20	5	3	1	0.021	-1.9952	23.9578	3
2000R-128	1.26	0.34	0.54	0.09	0.029	5	1	5	28	0.10	13	5	3	1	0.104	-1.9952	23.7878	3
2000R-129	1.38	0.04	0.36	0.26	0.033	5	5	5	43	0.27	50	5	7	1	0.063	-1.9952	22.9077	3
2000R-131a Analytical Duplicate	2.61	0.06	0.92	0.28	0.023	5	9	5	26	0.22	78	5	5	1	0.017	-1.9952	19.8578	3
2000R-131b Analytical Duplicate	2.69	0.06	0.96	0.30	0.023	5	9	5	27	0.22	81	5	5	1	0.017			
2000R-132	2.96	0.01	1.30	0.28	0.020	5	5	5	44	0.19	62	5	6	1	0.113	-1.9950	8.2697	3
2000R-133	4.51	0.07	2.28	0.16	0.045	5	9	5	12	0.30	113	5	8	1	0.206	-1.9949	9.5014	3
2000R-143	0.77	0.26	0.42	0.11	0.034	5	1	5	103	0.10	13	5	2	2	0.002	-1.9949	4.5000	3
2000R-151	2.23	0.05	2.22	0.15	0.025	5	5	5	35	0.13	38	5	3	1	0.057	-1.9950	9.9474	3
2000R-153-1 Field Duplicate	4.04	0.24	0.27	0.04	0.033	5	1	5	7	0.05	11	5	4	2	2.564	-1.9949	43.3014	65
2000R-153-2 Field Duplicate	2.99	0.22	0.41	0.03	0.031	5	1	5	11	0.06	18	5	3	1	1.911	-1.9947	58.6031	
2000R-153-3 Field Duplicate	4.77	0.04	0.10	0.01	0.004	5	1	5	2	0.01	4	5	1	1	3.290	4.9230	35.0785	
2000R-153-4 Field Duplicate	2.42	0.32	0.62	0.03	0.009	5	2	5	6	0.06	37	5	1	1	0.945	-1.9951	42.8374	
2000R-153-5 Field Duplicate	5.73	0.08	0.65	0.03	0.008	5	3	5	3	0.03	42	5	2	1	3.777	1.3160	61.8400	
2000R-157	2.63	0.19	1.62	0.05	0.044	5	4	12	182	0.09	42	5	4	1	0.215	-1.9952	41.0431	3
2000R-160	6.56	0.20	1.70	0.16	0.017	5	17	5	9	0.14	189	23	3	1	2.394	5.0842	42.2222	3
2000R-172	1.52	0.03	0.93	0.02	0.025	5	2	10	20	0.01	17	5	1	1	0.001	-1.9951	26.0841	3
2000R-178	7.87	0.05	3.41	0.03	0.034	5	15	5	58	0.07	155	5	8	1	0.079	-1.9952	37.2578	14
2000R-182a Analytical Duplicate	4.02	0.01	2.66	0.04	0.024	5	4	5	17	0.27	55	5	5	1	0.001	-1.9951	8.2412	3
2000R-182b Analytical Duplicate	3.98	0.01	2.64	0.04	0.025	5	4	5	18	0.27	56	5	5	1	0.001			
2000R-209	3.45	0.04	1.36	0.19	0.061	5	9	5	13	0.15	76	5	7	1	0.019	-1.9946	6.8076	3
2000R-210	1.55	0.02	0.78	0.17	0.019	5	5	5	18	0.19	41	5	4	1	0.001	-1.9952	27.4283	3
2000R-220	3.30	0.81	1.36	0.10	0.054	5	9	5	25	0.19	93	5	6	2	0.060	-1.9951	20.9283	5
2000R-226	7.51	0.02	4.61	0.01	0.027	5	4	5	5	0.09	92	5	2	1	0.001	-1.9951	23.4923	6
2000R-227	5.52	0.14	1.94	0.03	0.060	5	1	5	8	0.14	104	5	6	1	0.001	-1.9943	4.4813	8
2000R-324	2.40	0.80	1.21	0.08	0.089	5	2	5	20	0.20	47	5	2	1	0.037	-1.9951	12.2209	3
2000R-358	3.52	0.13	1.16	0.04	0.061	5	2	10	279	0.01	17	5	4	3	0.380	-1.9951	30.4923	167
2000R-360	2.38	0.07	1.32	0.10	0.043	5	5	5	48	0.26	51	5	6	1	0.205	-1.9950	10.8114	3
2000R-362	3.29	0.02	1.23	0.13	0.032	5	10	13	46	0.09	112	5	8	1	0.059	-1.9952	45.1279	3
2000R-366	1.92	0.06	0.98	0.21	0.049	5	8	5	20	0.19	70	5	7	1	0.012	-1.9950	9.8668	3

Appendix R-3

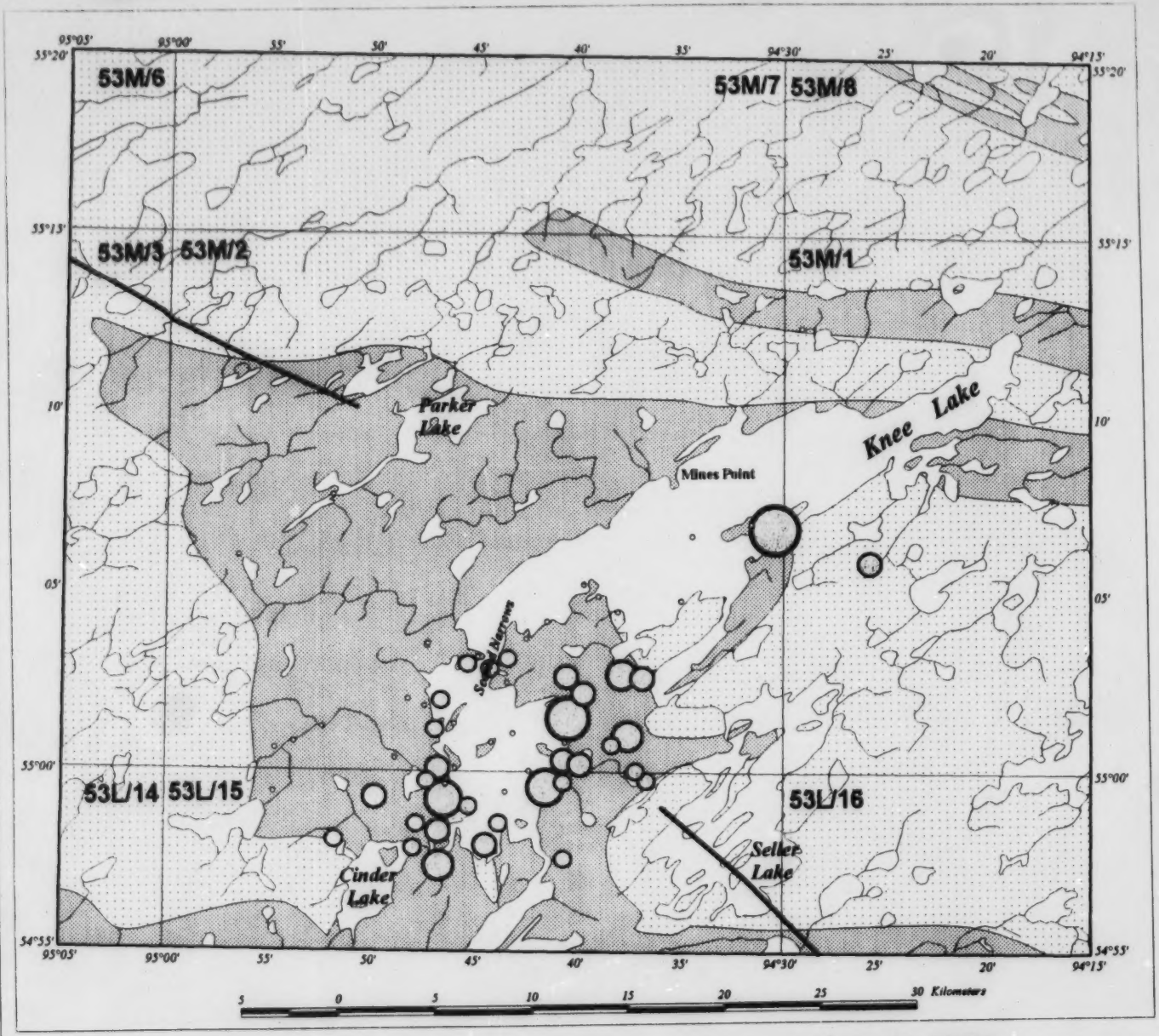
ICP-AES, H^+, *K* and Hg Analyses, Multiple Samples.

Sample Site	Utm		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	Ba	Be	Bi	Ca	Co	Cr
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
2000R-40a Analytical Duplicate	396930.69	6095529.50	0.1	0.3	25	516	3	69	1	35	1.20	5	12	0.5	5	0.61	28	82
2000R-40b Analytical Duplicate	396930.69	6095529.50	0.1	0.3	25	493	1	68	1	34	1.11	5	12	0.5	5	0.46	27	79
2000R-95-1 Field Duplicate	388530.53	6092366.00	0.1	0.3	78	1139	1	10	7	37	1.60	5	11	0.5	5	0.52	27	1
2000R-95-2 Field Duplicate	388530.53	6092366.00	3.5	1.5	22	824	2	6	13	19	0.56	5	9	0.5	5	2.56	10	4
2000R-96a Analytical Duplicate	386122.09	6093126.50	0.1	0.3	81	1137	1	46	3	105	2.57	5	9	0.5	5	2.56	32	29
2000R-96b Analytical Duplicate	386122.09	6093126.50	0.1	0.8	91	1347	1	53	4	121	3.25	5	14	0.5	5	3.25	37	35
2000R-102-1 Field Duplicate	392650.41	6096653.00	0.1	1.2	307	541	1	200	3	126	2.61	5	81	0.5	5	0.77	49	119
2000R-102-2 Field Duplicate	392650.41	6096653.00	0.1	0.7	380	325	1	168	5	71	1.69	5	53	0.5	5	0.73	44	105
2000R-125-1 Field Duplicate	388349.84	6102123.50	0.6	0.3	3	255	1	3	95	15	0.27	5	42	0.5	5	1.76	1	3
2000R-125-2 Field Duplicate	388349.84	6102123.50	0.1	0.3	1	278	3	5	26	14	0.24	5	34	0.5	5	2.00	1	3
2000R-125-3 Field Duplicate	388349.84	6102123.50	0.1	0.3	1	429	3	8	13	16	0.28	21	183	0.5	5	2.09	5	4
2000R-125-4 Field Duplicate	388349.84	6102123.50	0.1	0.3	4	424	4	8	12	17	0.22	16	168	0.5	5	1.76	6	3
2000R-131a Analytical Duplicate	393909.19	6105750.00	0.1	0.3	100	476	4	24	4	28	1.57	5	34	0.5	5	2.57	11	45
2000R-131b Analytical Duplicate	393909.19	6105750.00	0.1	0.3	101	491	4	25	1	29	1.62	5	36	0.5	5	2.64	12	47
2000R-153-1 Field Duplicate	403857.41	6108381.00	1.3	0.8	539	167	2	64	1	213	0.56	59	62	0.5	5	0.53	28	9
2000R-153-2 Field Duplicate	403857.41	6108381.00	3.2	0.3	726	221	1	55	36	92	0.55	58	79	0.5	5	0.55	25	14
2000R-153-3 Field Duplicate	403857.41	6108381.00	56.1	73.3	2165	229	1	44	150	16200	0.12	20	14	0.5	5	0.03	10	4
2000R-153-4 Field Duplicate	403857.41	6108381.00	9.3	0.3	121	189	2	42	5	45	0.63	1073	88	0.5	5	1.33	14	41
2000R-153-5 Field Duplicate	403857.41	6108381.00	8.3	0.3	390	160	1	59	62	42	0.56	378	35	0.5	5	0.30	76	12
2000R-182a Analytical Duplicate	385706.34	6102721.00	0.1	0.3	44	835	1	73	1	47	2.35	5	13	0.5	5	0.98	20	185
2000R-182b Analytical Duplicate	385706.34	6102721.00	0.1	0.3	44	827	1	72	1	46	2.33	5	13	0.5	5	0.98	20	186

Sample Site	Fe	K	Mg	Na	P	Sb	Sc	Sn	Sr	Ti	V	W	Y	Zr	S	H^+	K	Hg
	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppb	mhos cm^{-1}	ppb
2000R-40a Analytical Duplicate	2.88	0.02	1.17	0.05	0.020	5	3	5	30	0.12	47	5	1	1	0.191	-1.9937	7.8226	3
2000R-40b Analytical Duplicate	2.73	0.01	1.13	0.04	0.020	5	2	5	21	0.10	42	5	1	1	0.186			
2000R-95-1 Field Duplicate	10.39	0.02	0.74	0.04	0.105	5	14	5	5	0.11	25	5	14	4	3.928	10.5940	69.1948	12
2000R-95-2 Field Duplicate	3.77	0.02	0.32	0.03	0.033	5	5	5	27	0.03	8	5	4	1	1.348	-1.9951	50.0841	
2000R-96a Analytical Duplicate	6.70	0.01	2.14	0.02	0.053	5	2	5	15	0.08	93	5	5	1	0.093	-1.9951	29.4887	3
2000R-96b Analytical Duplicate	8.46	0.01	2.61	0.05	0.057	5	5	5	31	0.33	131	5	8	1	0.100			
2000R-102-1 Field Duplicate	6.10	0.17	2.99	0.11	0.028	5	2	5	16	0.16	46	5	2	1	1.582	-1.9883	35.5109	3
2000R-102-2 Field Duplicate	5.84	0.13	1.91	0.12	0.031	5	2	5	15	0.21	47	5	4	2	2.580	-0.2170	53.0758	
2000R-125-1 Field Duplicate	0.60	0.13	0.60	0.08	0.015	5	1	5	97	0.01	4	5	2	1	0.057	-1.9952	28.6077	3
2000R-125-2 Field Duplicate	0.68	0.13	0.70	0.07	0.028	5	1	5	114	0.01	4	5	3	1	0.078	-1.9952	26.9787	
2000R-125-3 Field Duplicate	1.52	0.16	0.62	0.05	0.064	5	1	5	214	0.01	5	5	2	1	0.106	-1.9951	25.8870	
2000R-125-4 Field Duplicate	1.47	0.13	0.51	0.05	0.073	5	1	5	187	0.01	4	5	3	1	0.140	-1.9951	20.9209	
2000R-131a Analytical Duplicate	2.61	0.06	0.92	0.28	0.023	5	9	5	26	0.22	78	5	5	1	0.017	-1.9952	19.8578	3
2000R-131b Analytical Duplicate	2.69	0.06	0.96	0.30	0.023	5	9	5	27	0.22	81	5	5	1	0.017			
2000R-153-1 Field Duplicate	4.04	0.24	0.27	0.04	0.033	5	1	5	7	0.05	11	5	4	2	2.564	-1.9949	43.3014	65
2000R-153-2 Field Duplicate	2.99	0.22	0.41	0.03	0.031	5	1	5	11	0.06	18	5	3	1	1.911	-1.9947	58.6031	
2000R-153-3 Field Duplicate	4.77	0.04	0.10	0.01	0.004	5	1	5	2	0.01	4	5	1	1	3.290	4.9230	35.0785	
2000R-153-4 Field Duplicate	2.42	0.32	0.62	0.03	0.009	5	2	5	6	0.06	37	5	1	1	0.945	-1.9951	42.8374	
2000R-153-5 Field Duplicate	5.73	0.08	0.65	0.03	0.008	5	3	5	3	0.03	42	5	2	1	3.777	1.3160	61.8400	
2000R-182a Analytical Duplicate	4.02	0.01	2.66	0.04	0.024	5	4	5	17	0.27	55	5	5	1	0.001	-1.9951	8.2412	3
2000R-182b Analytical Duplicate	3.98	0.01	2.64	0.04	0.025	5	4	5	18	0.27	56	5	5	1	0.001			

Appendix R-4

ICP-AES, H^+, *K* and Hg Percentile Bubble Plots.



Legend

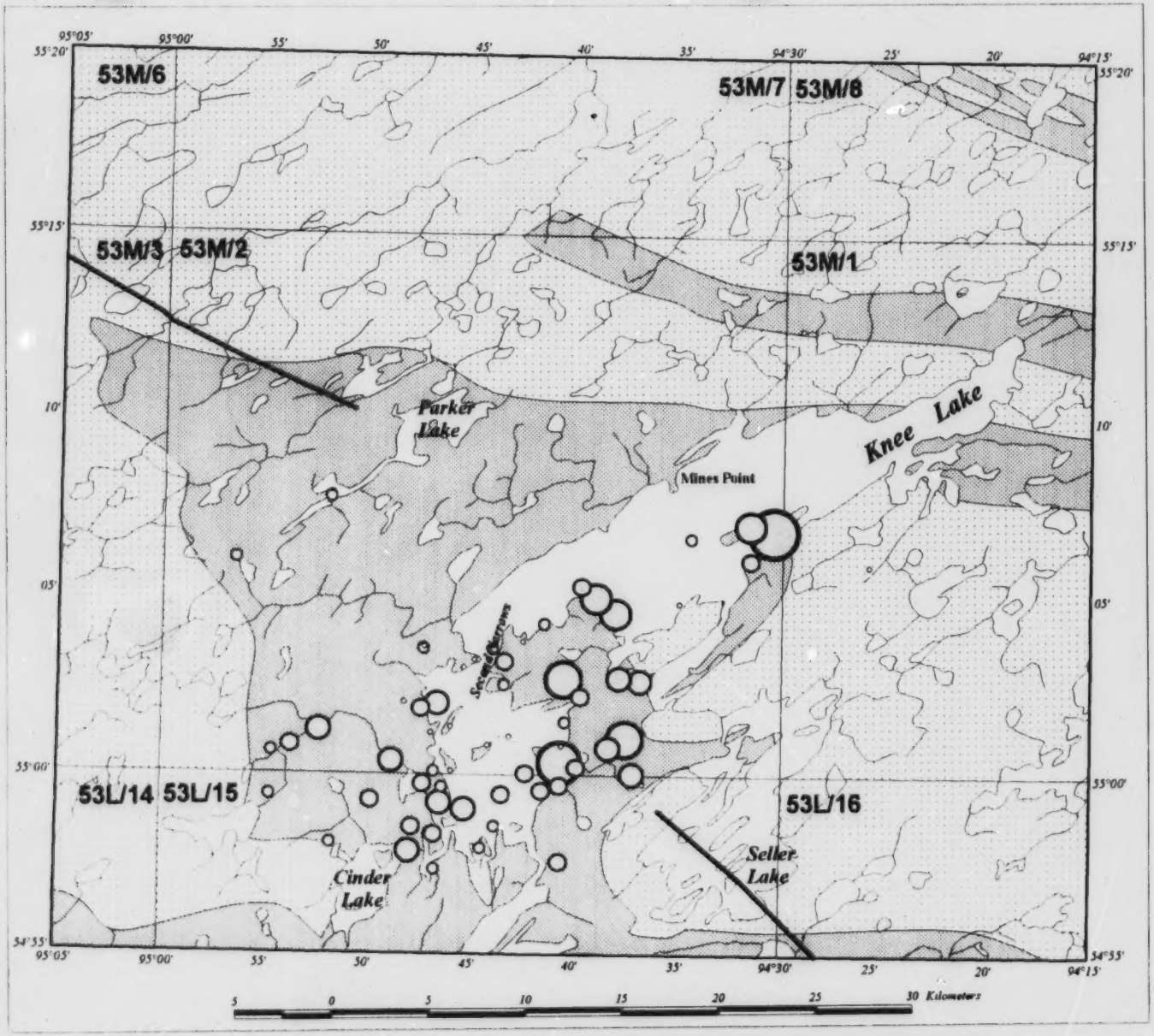
- Intrusive rocks
- Supracrustal rocks
- Dykes

Cd (ppm)

- >0.3<=0.3 (50%tile)
- >0.3<=0.7 (75%tile)
- >0.7<=1.0 (90%tile)
- >1.1<=1.2 (95%tile)
- >1.4<=1.8 (98%tile)
- >2.1<=2.1 (99%tile)
- >15.0<=15.0 (100%tile)

Outcrop rock chips 65 samples ICP-AES, H+, specific conductance, Hg (FIMS)

Appendix R-4-1



Legend

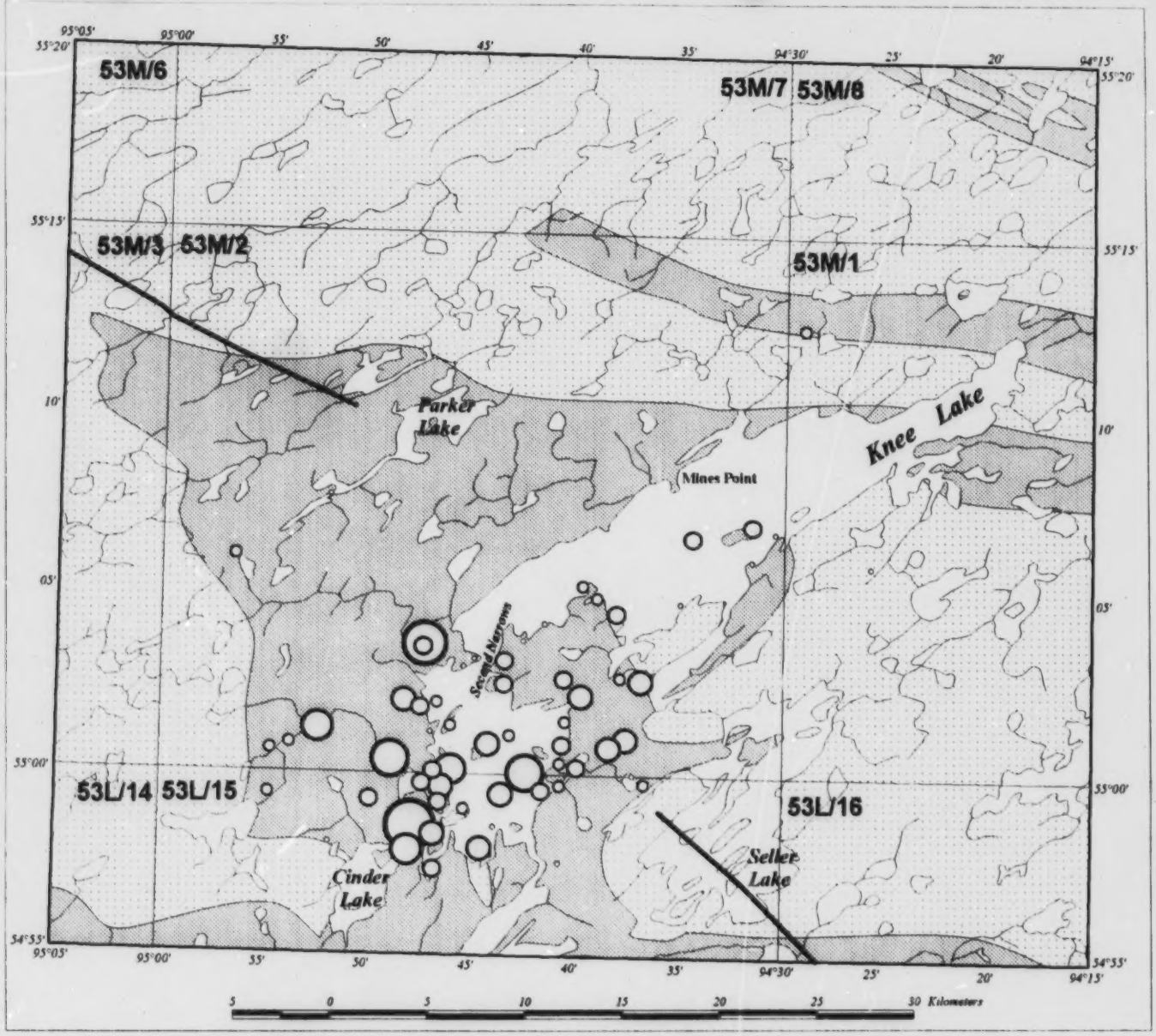
- Intrusive rocks
- Supracrustal rocks
- Dykes

Cu (ppm)

- >1<=36 (25%tile)
- >37<=82 (50%tile)
- >84<=103 (75%tile)
- >104<=155 (90%tile)
- >156<=197 (95%tile)
- >206<=259 (98%tile)
- >343<=343 (99%tile)
- >788<=788 (100%tile)

Outcrop rock chips 65 samples ICP-AES, H+, specific conductance, Hg (FIMS)

Appendix R-4-2



Legend

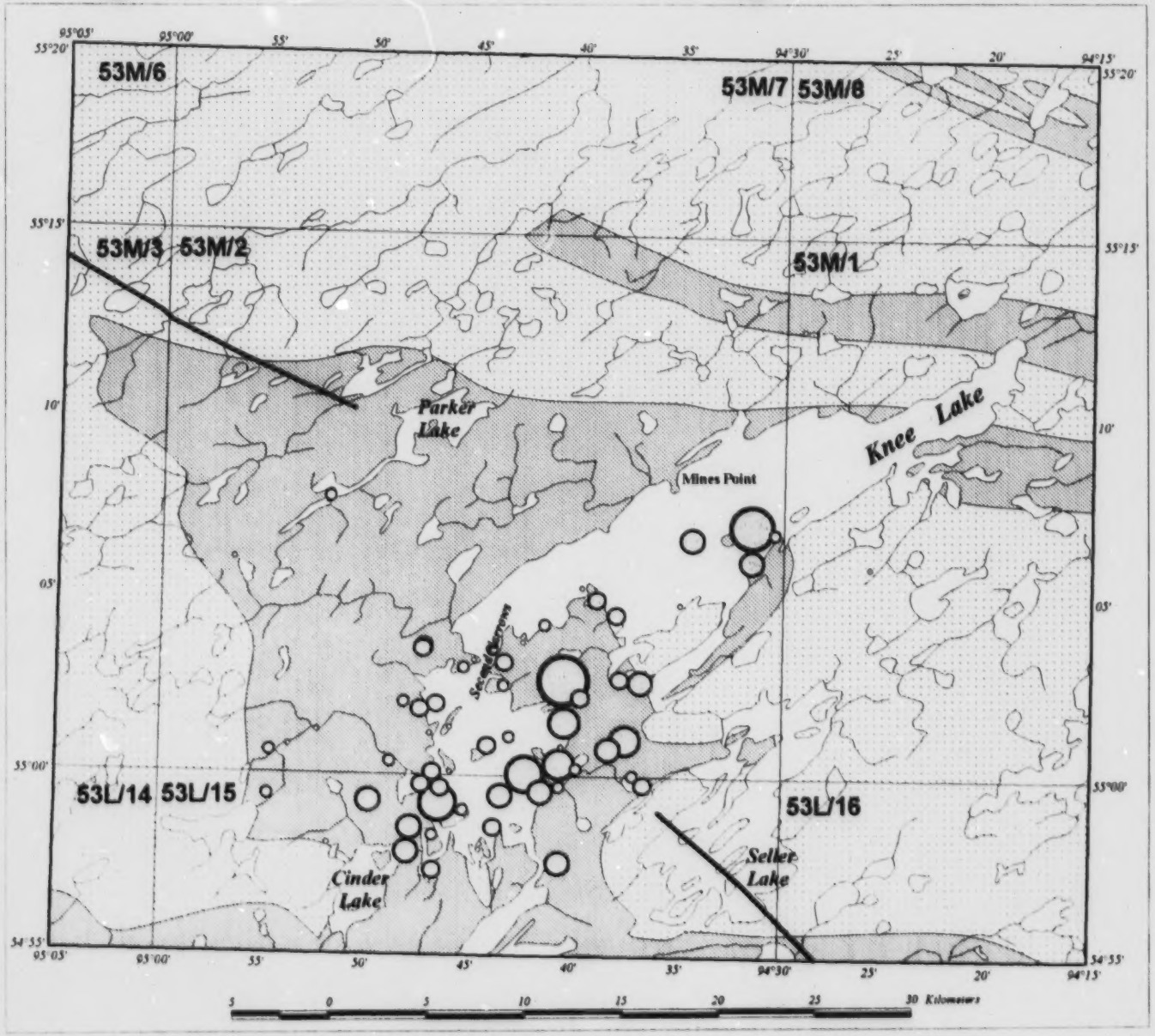
- Intrusive rocks
- Supracrustal rocks
- Dykes

Mn (ppm)

- >57<=372 (25%tile)
- >375<=535 (50%tile)
- >562<=959 (75%tile)
- >981<=1421 (90%tile)
- >1491<=1524 (95%tile)
- >1693<=2036 (98%tile)
- >2211<=2211 (99%tile)
- >2353<=2353 (100%tile)

Outcrop rock chips 65 samples ICP-AES, H+, specific conductance, Hg (FIMS)

Appendix R-4-3



Legend

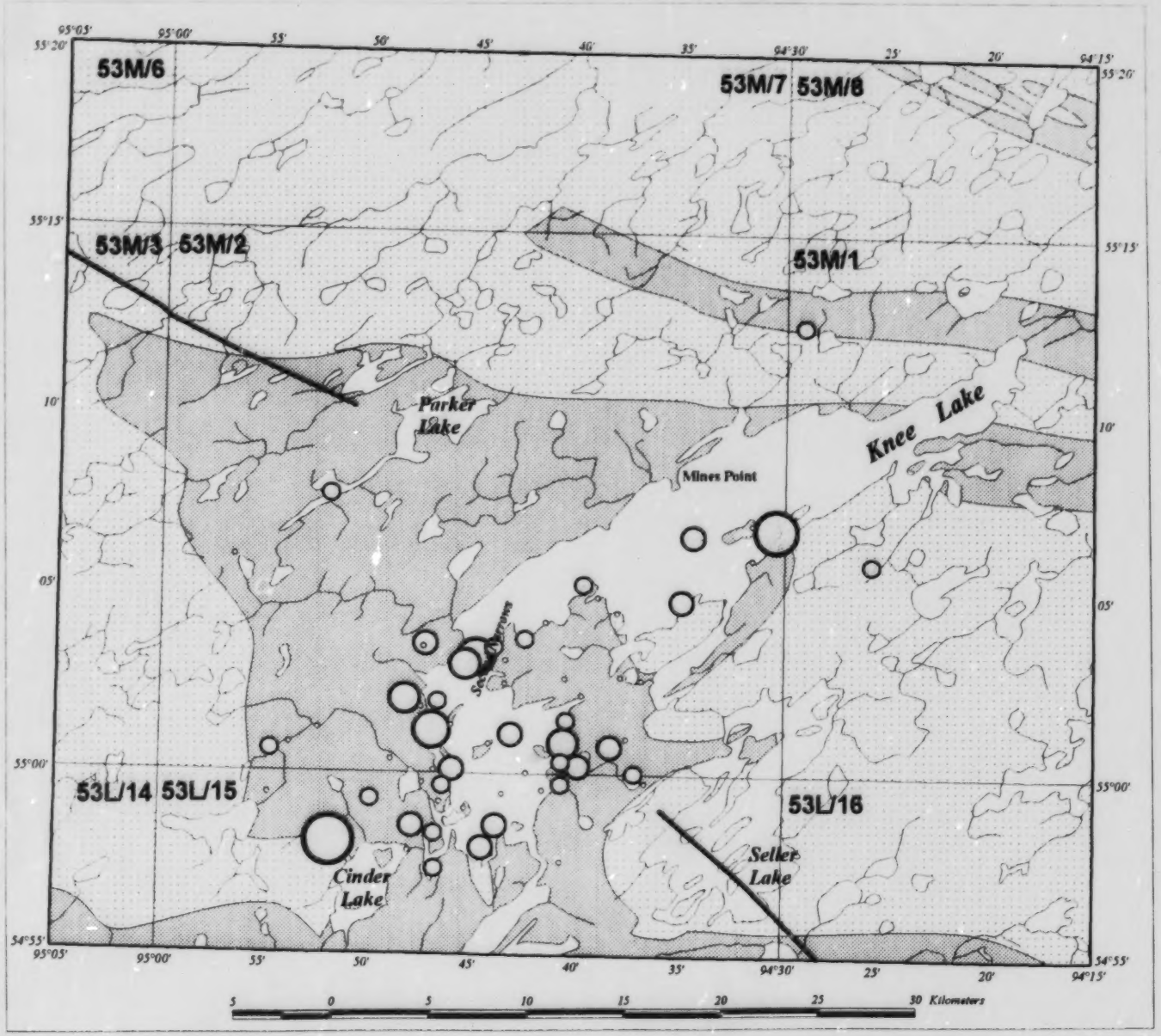
- Intrusive rocks
- Supracrustal rocks
- Dykes

Ni (ppm)

- >5<=29 (25%tile)
- >33<=64 (50%tile)
- >68<=103 (75%tile)
- >104<=173 (90%tile)
- >184<=189 (95%tile)
- >206<=230 (98%tile)
- >294<=294 (99%tile)
- >663<=663 (100%tile)

Outcrop rock chips 65 samples ICP-AES, H+, specific conductance, Hg (FIMS)

Appendix R-4-4



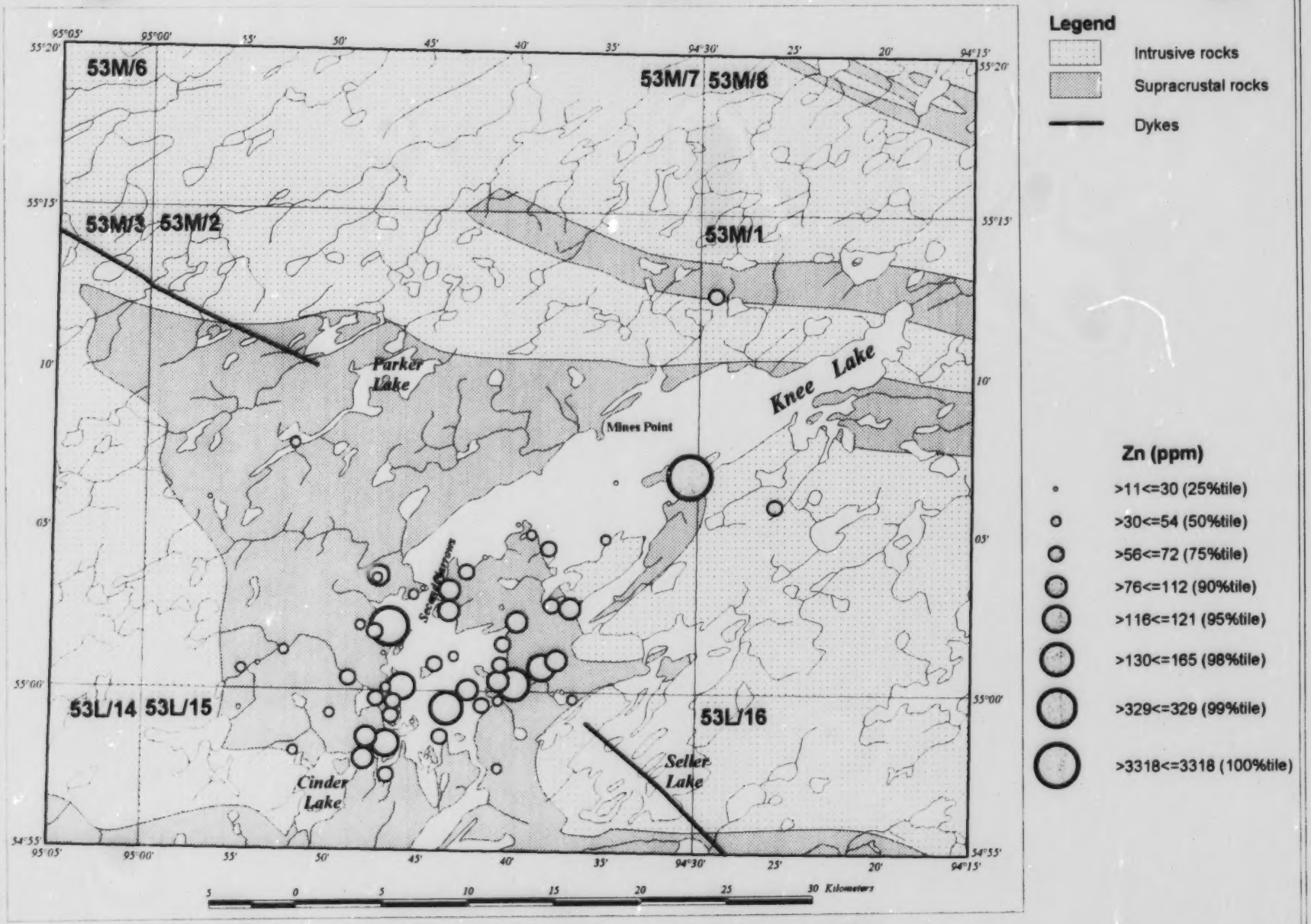
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Pb (ppm)

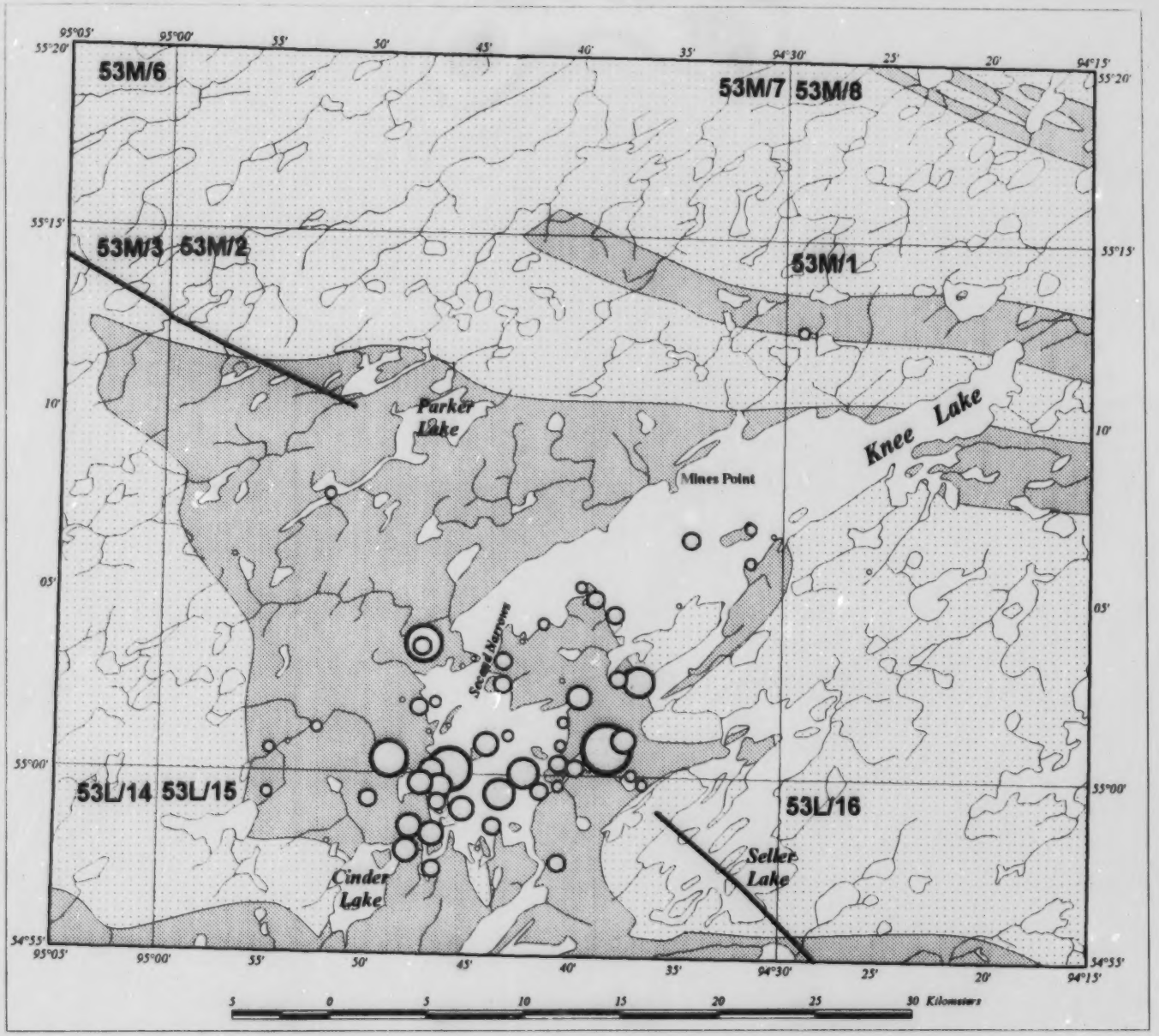
- >1<=1 (50%tile)
- >2<=5 (75%tile)
- >6<=10 (90%tile)
- >13<=21 (95%tile)
- >29<=37 (98%tile)
- >51<=51 (99%tile)
- >56<=56 (100%tile)

Outcrop rock chips 65 samples ICP-AES, H+, specific conductance, Hg (FIMS)



Outcrop rock chips 65 samples ICP-AES, H+, specific conductance, Hg (FIMS)

Appendix R-4-6



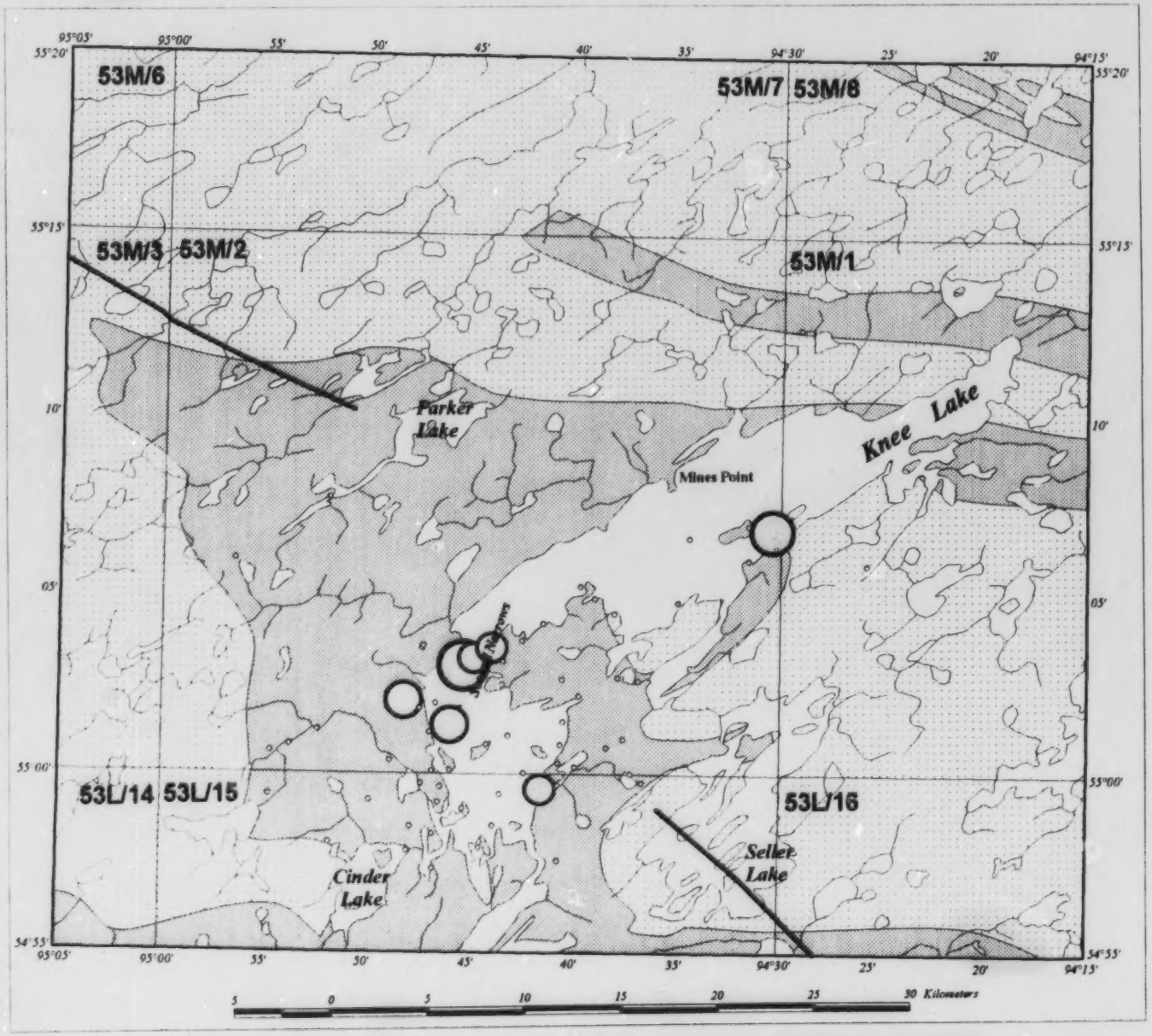
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Al (wt.%)

- >0.07<=1.18 (25%tile)
- >1.20<=1.76 (50%tile)
- >1.91<=2.64 (75%tile)
- >2.76<=3.44 (90%tile)
- >3.47<=3.59 (95%tile)
- >3.79<=3.92 (98%tile)
- >4.55<=4.55 (99%tile)
- >4.98<=4.98 (100%tile)

Outcrop rock chips 65 samples ICP-AES, H+, specific conductance, Hg (FIMS)



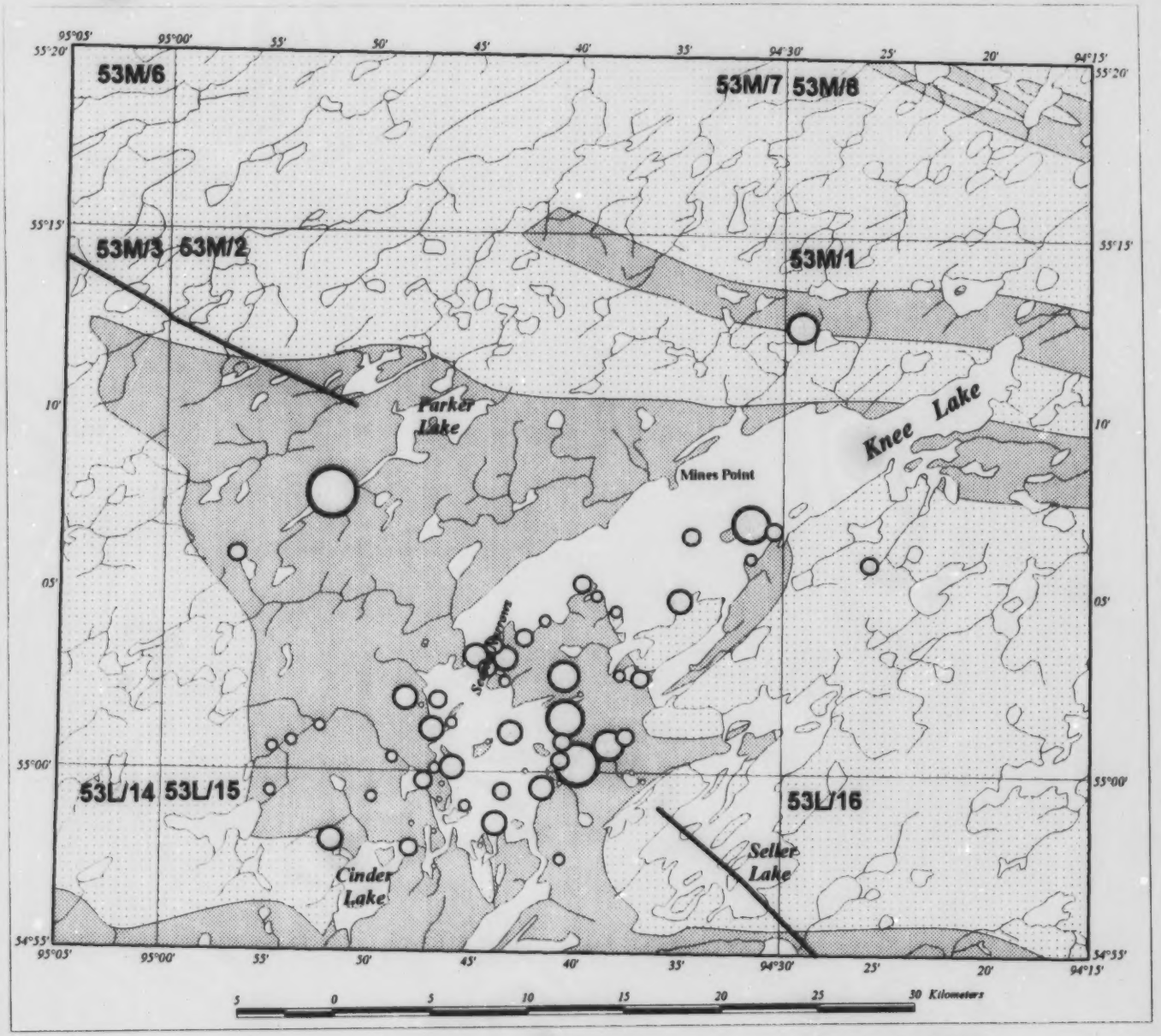
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

As (ppm)

- >5<=5 (90%tile)
- >10<=12 (95%tile)
- >18<=30 (98%tile)
- >318<=318 (99%tile)
- >397<=397 (100%tile)

Outcrop rock chips 65 samples ICP-AES, H+, specific conductance, Hg (FIMS)



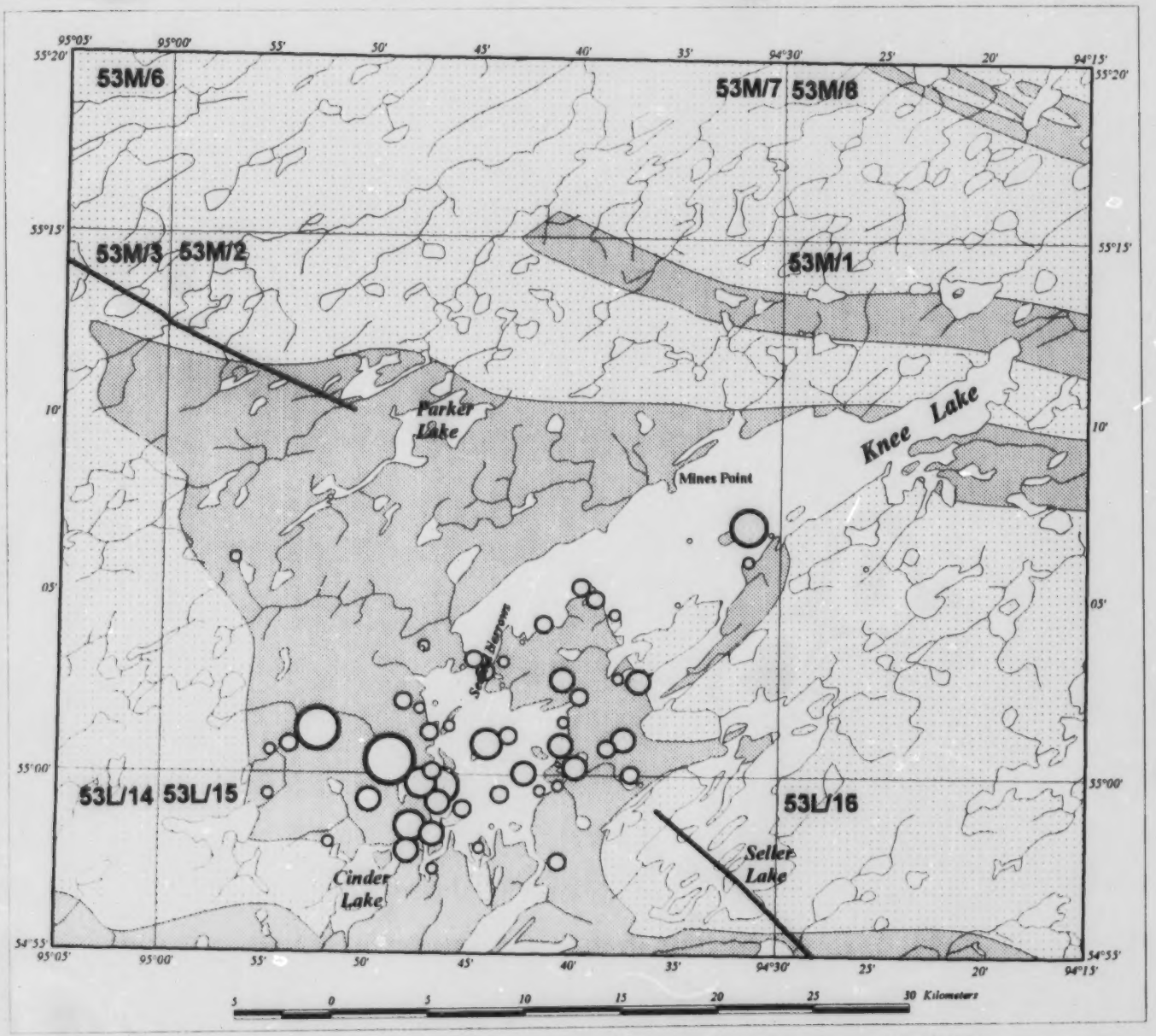
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Ba (ppm)

- >9<=15 (25%tile)
- >15<=32 (50%tile)
- >36<=99 (75%tile)
- >99<=152 (90%tile)
- >186<=232 (95%tile)
- >258<=305 (98%tile)
- >620<=620 (99%tile)
- >731<=731 (100%tile)

Outcrop rock chips 65 samples ICP-AES, H+, specific conductance, Hg (FIMS)



Legend

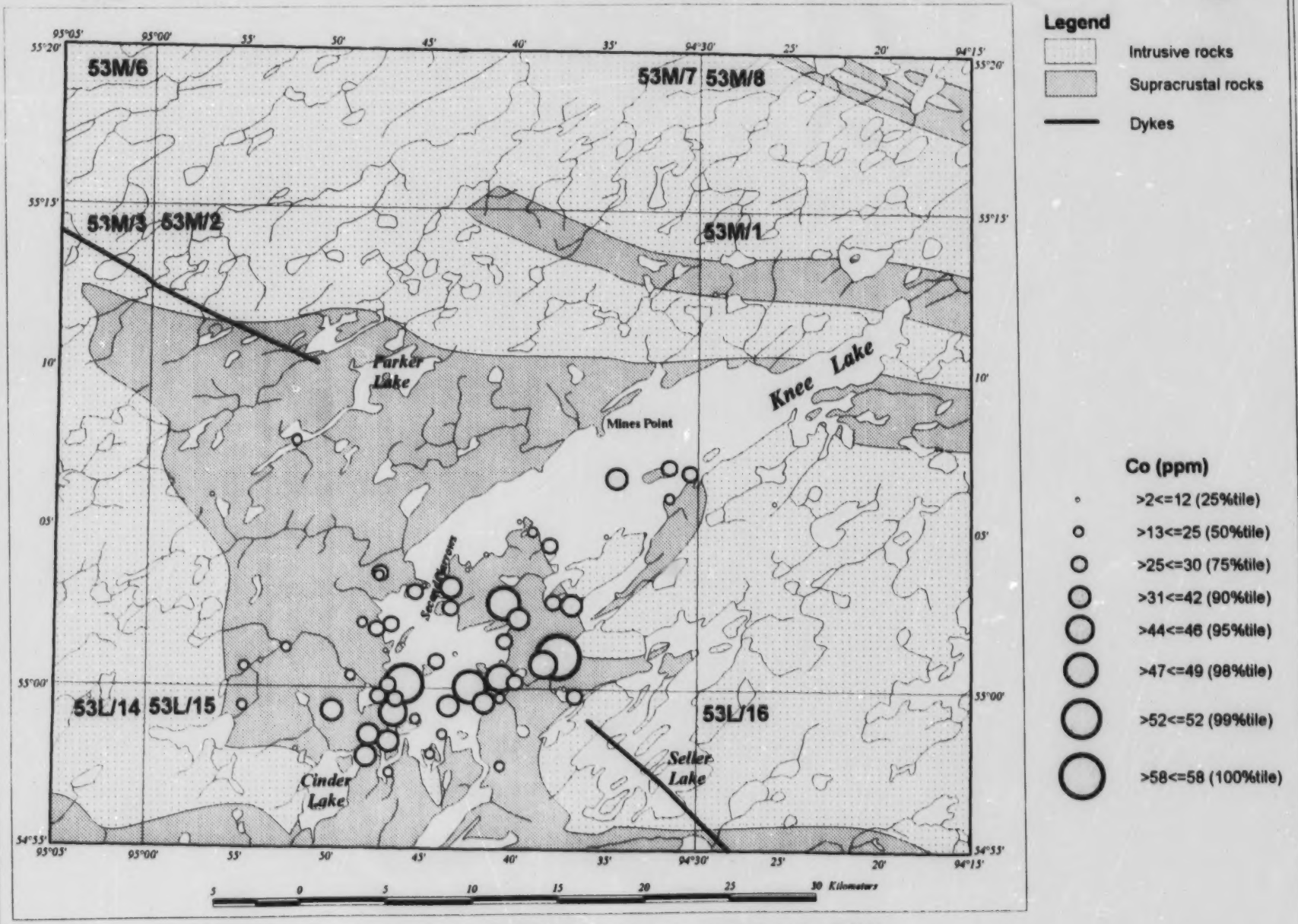
- Intrusive rocks
- Supracrustal rocks
- Dykes

Ca (wt.%)

- >0.15<=1.12 (25%tile)
- >1.21<=1.86 (50%tile)
- >1.90<=3.14 (75%tile)
- >3.14<=5.16 (90%tile)
- >5.54<=5.82 (95%tile)
- >6.29<=7.32 (98%tile)
- >8.03<=8.03 (99%tile)
- >8.12<=8.12 (100%tile)

Outcrop rock chips 65 samples ICP-AES, H+, specific conductance, Hg (FIMS)

Appendix R-4-10



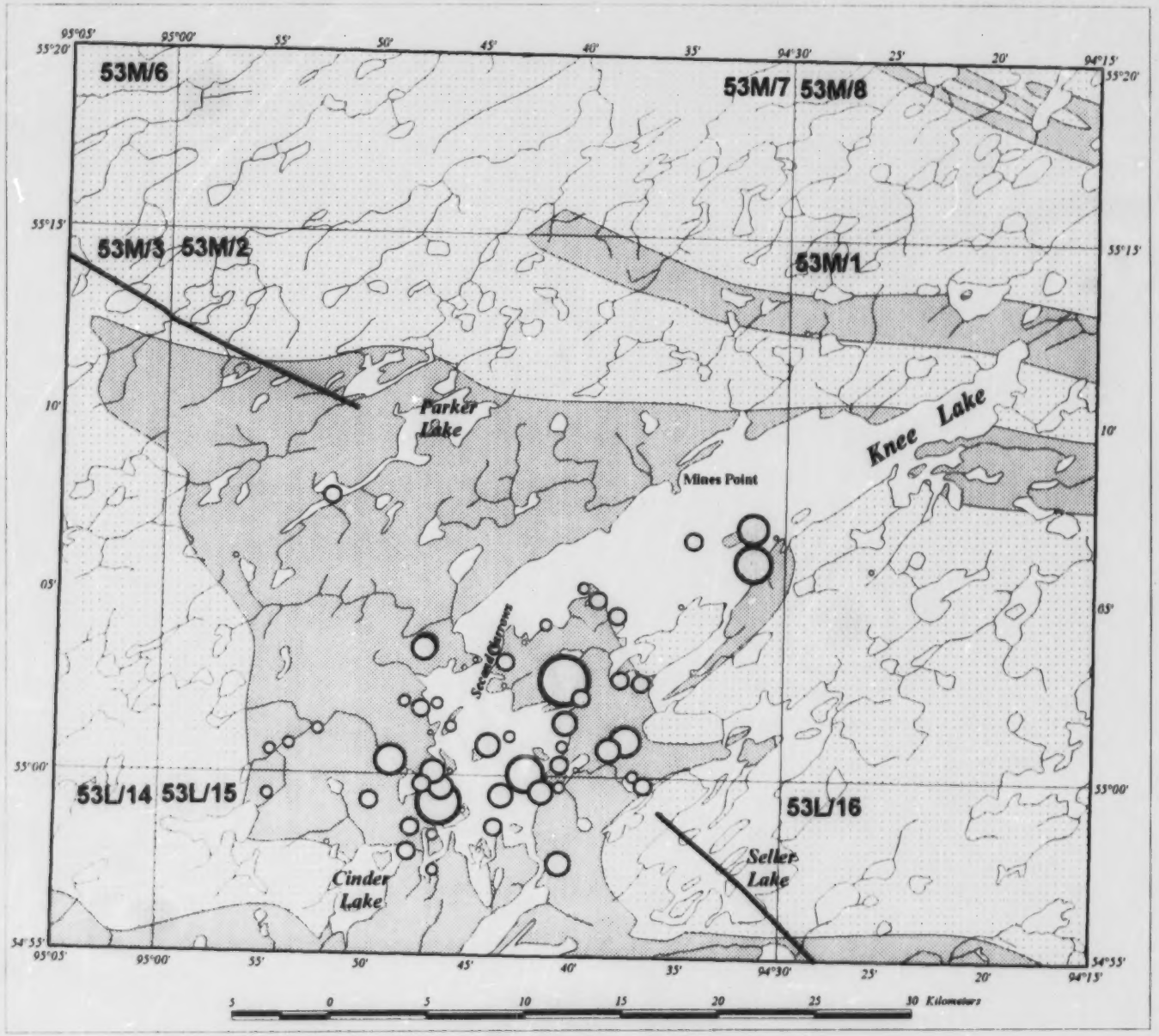
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Co (ppm)

- >2<=12 (25%tile)
- >13<=25 (50%tile)
- >25<=30 (75%tile)
- >31<=42 (90%tile)
- >44<=46 (95%tile)
- >47<=49 (98%tile)
- >52<=52 (99%tile)
- >58<=58 (100%tile)

Outcrop rock chips 65 samples ICP-AES, H+, specific conductance, Hg (FIMS)



Legend

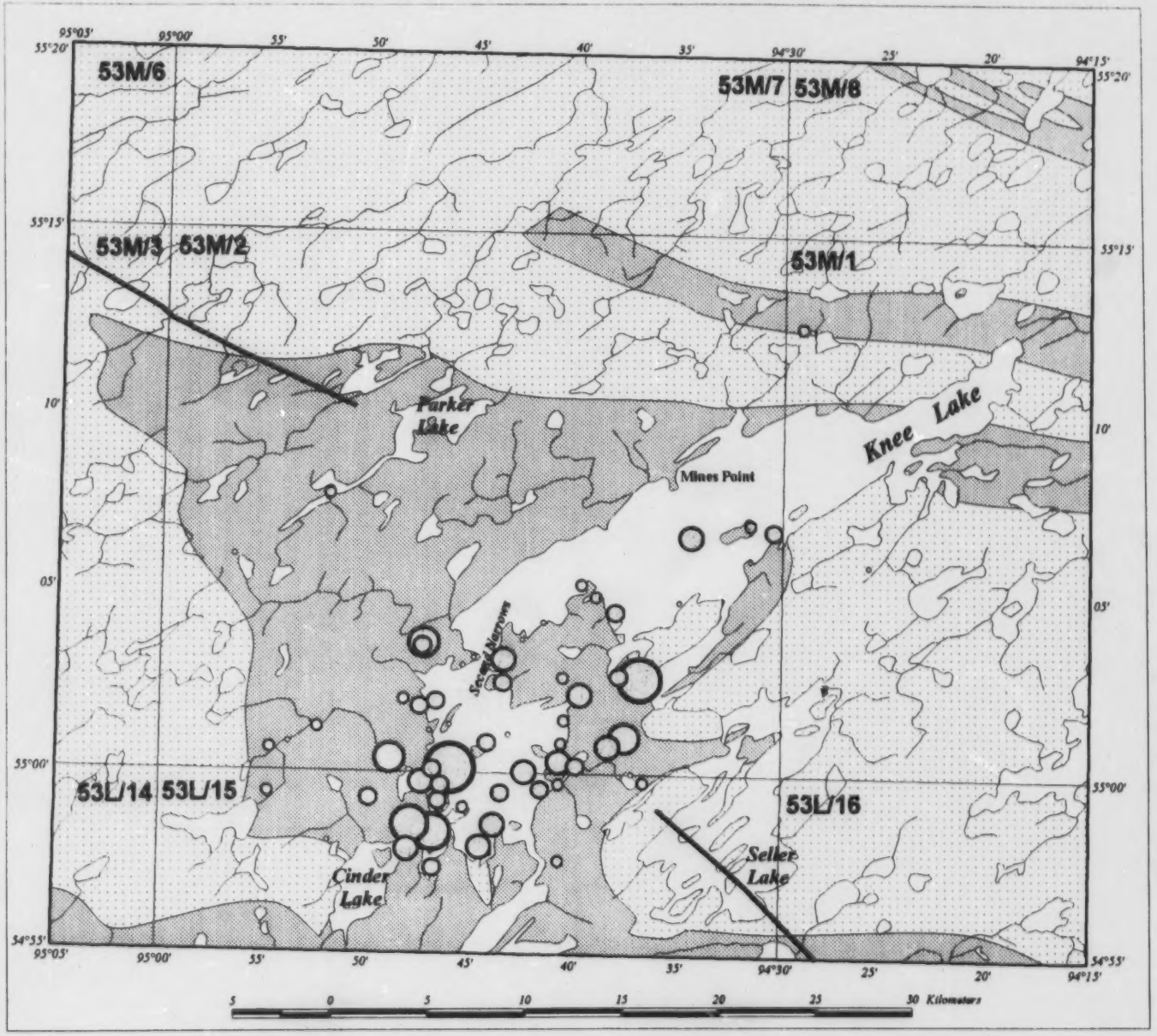
- Intrusive rocks
- Supracrustal rocks
- Dykes

Cr (ppm)

- >1<=25 (25%tile)
- >27<=67 (50%tile)
- >67<=175 (75%tile)
- >177<=249 (90%tile)
- >251<=285 (95%tile)
- >289<=292 (98%tile)
- >427<=427 (99%tile)
- >488<=488 (100%tile)

Outcrop rock chips 65 samples ICP-AES, H+, specific conductance, Hg (FIMS)

Appendix R-4-12



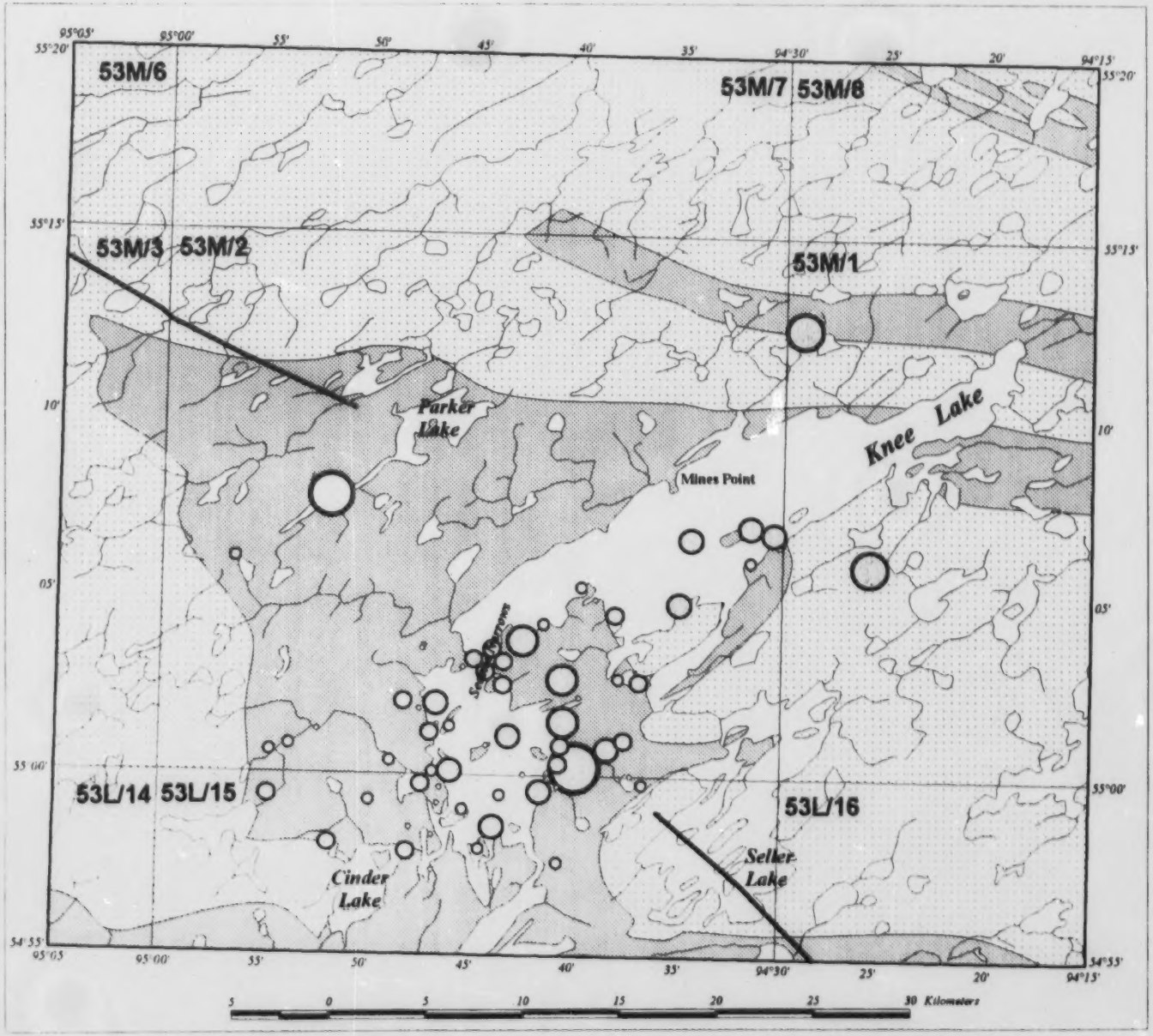
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Fe (wt.%)

- >0.58<=2.23 (25%tile)
- >2.29<=3.52 (50%tile)
- >3.88<=5.70 (75%tile)
- >5.81<=7.50 (90%tile)
- >7.51<=7.87 (95%tile)
- >8.34<=8.46 (98%tile)
- >8.57<=8.57 (99%tile)
- >13.77<=13.77 (100%tile)

Outcrop rock chips 65 samples ICP-AES, H+, specific conductance, Hg (FIMS)



Legend

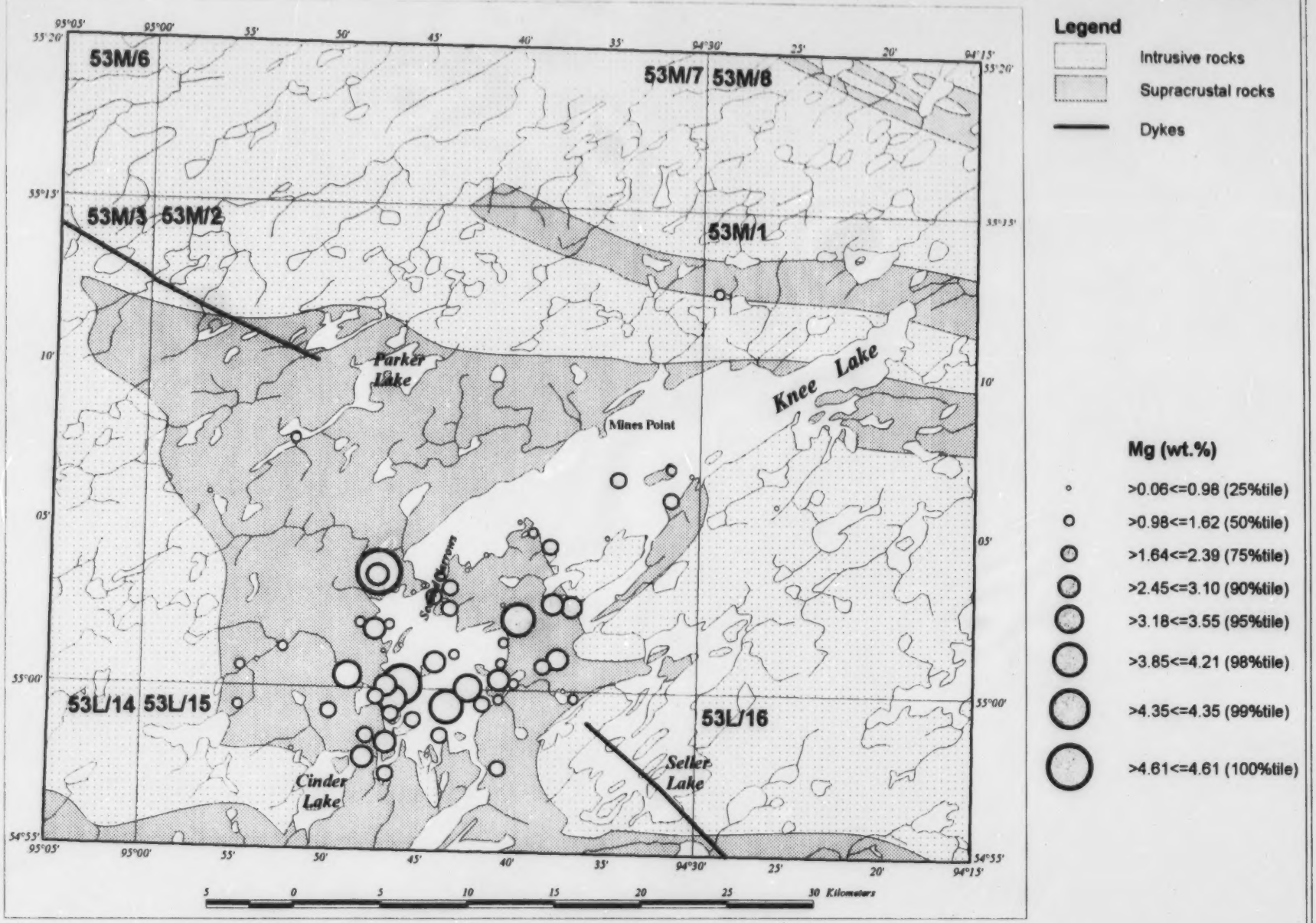
- Intrusive rocks
- Supracrustal rocks
- Dykes

K (wt.%)

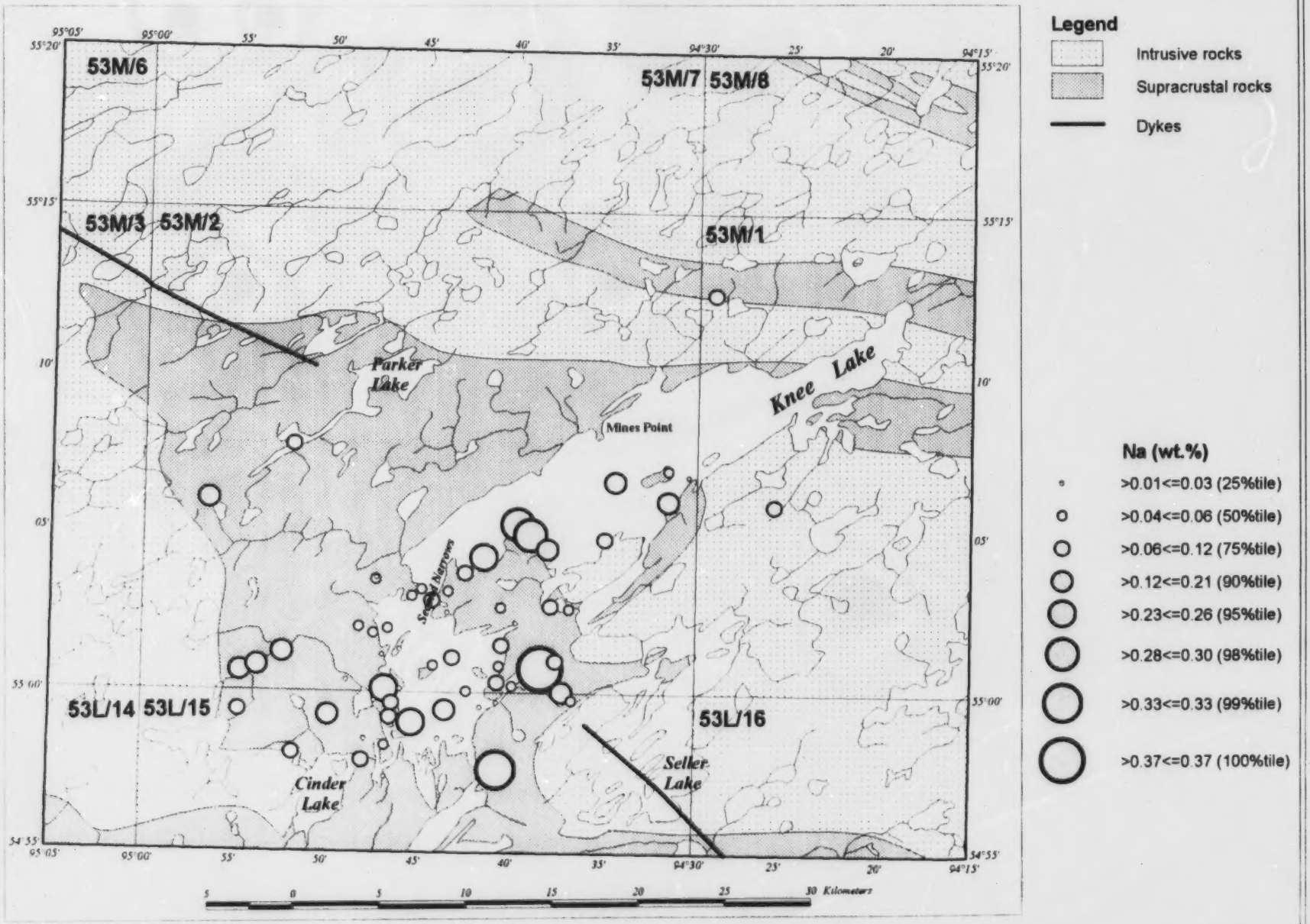
- >0.01<=0.02 (25%tile)
- >0.02<=0.06 (50%tile)
- >0.07<=0.15 (75%tile)
- >0.18<=0.33 (90%tile)
- >0.34<=0.41 (95%tile)
- >0.50<=0.80 (98%tile)
- >0.81<=0.81 (99%tile)
- >1.14<=1.14 (100%tile)

Outcrop rock chips 65 samples ICP-AES, H+, specific conductance, Hg (FIMS)

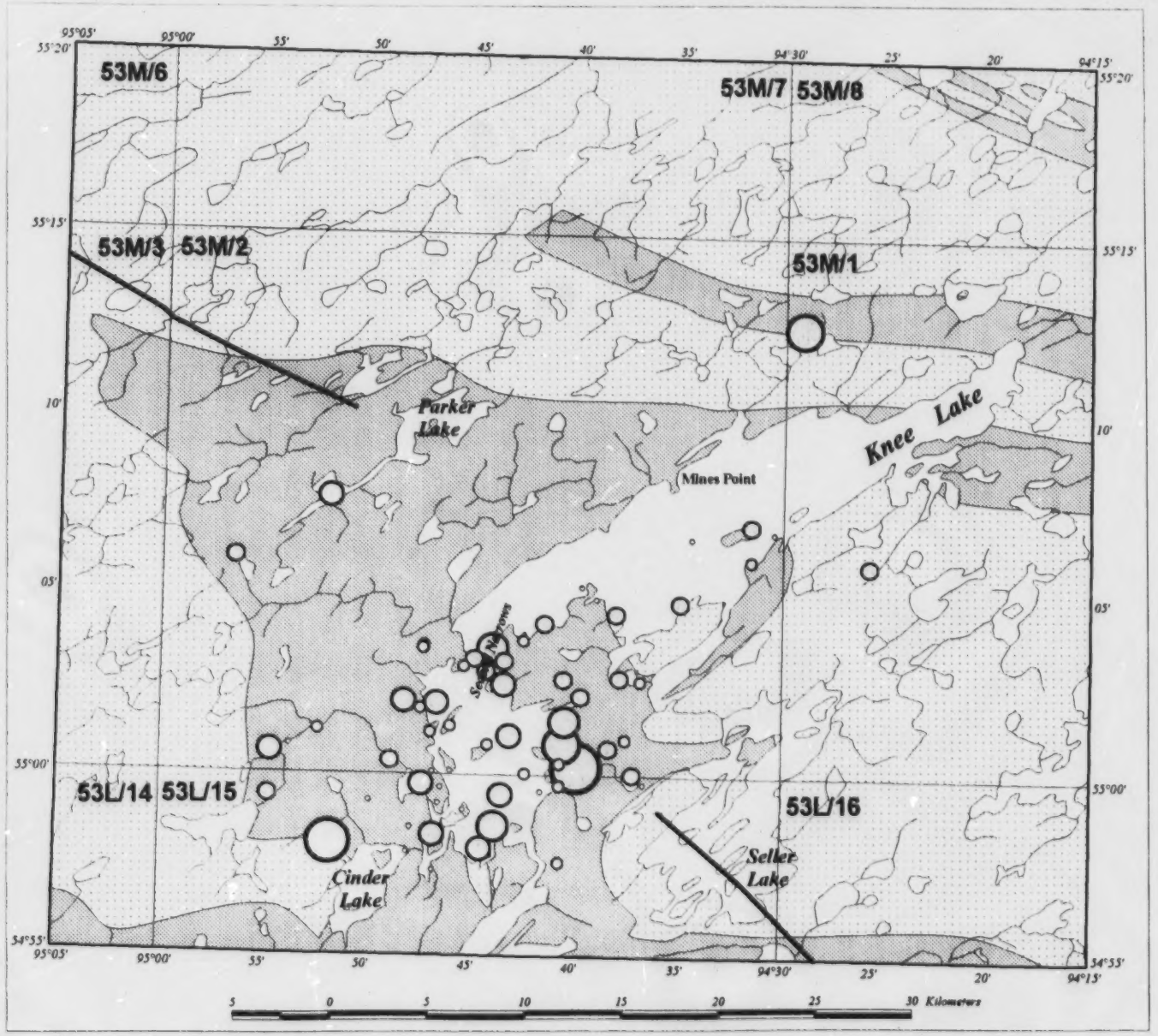
Appendix R-4-14



Outcrop rock chips 65 samples ICP-AES, H+, specific conductance, Hg (FIMS)



Outcrop rock chips 65 samples ICP-AES, H+, specific conductance, Hg (FIMS)



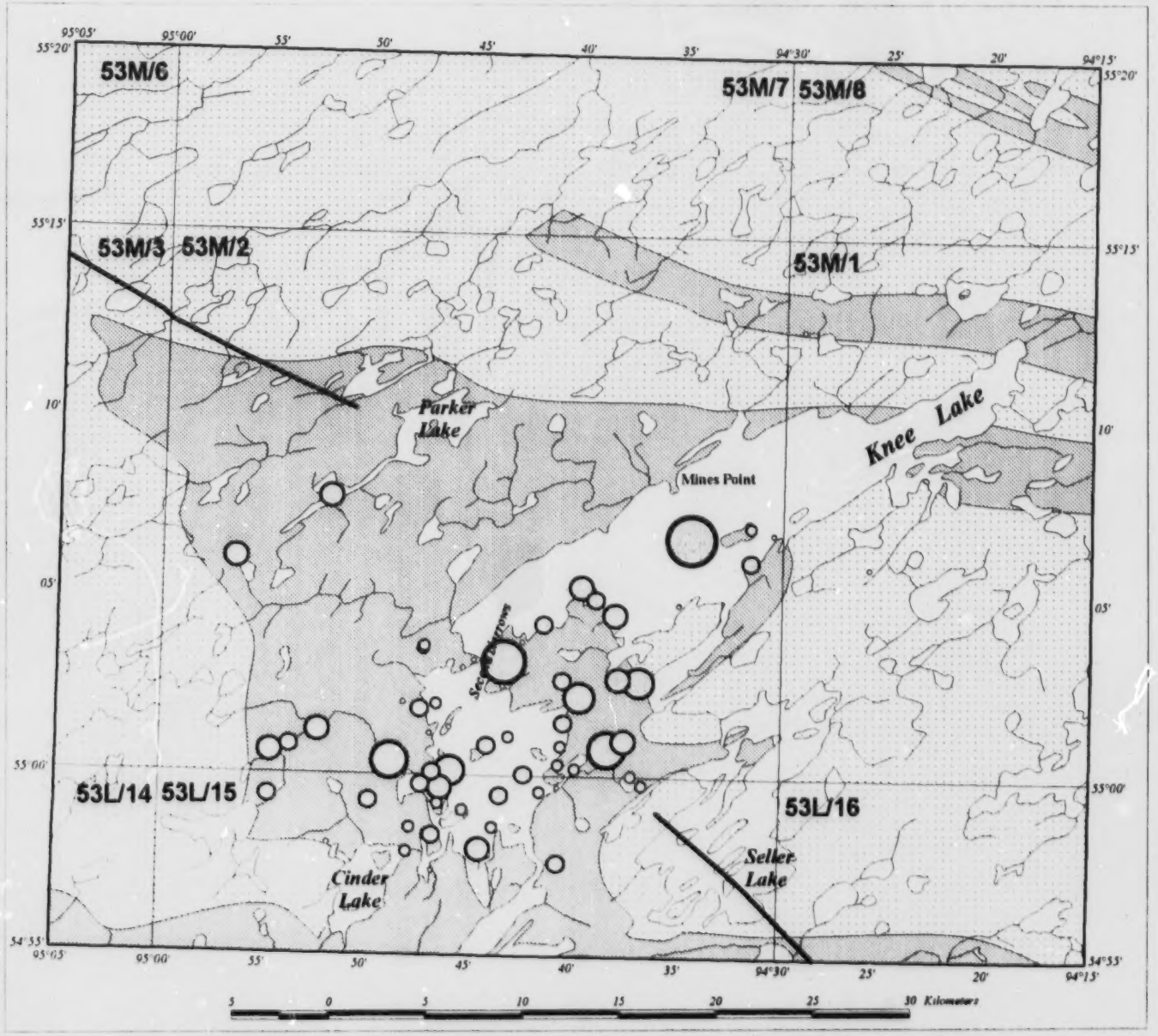
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

P (wt.%)

- >0.017<=0.023 (25%tile)
- >0.025<=0.032 (50%tile)
- >0.033<=0.049 (75%tile)
- >0.051<=0.069 (90%tile)
- >0.076<=0.084 (95%tile)
- >0.089<=0.124 (98%tile)
- >0.133<=0.133 (99%tile)
- >0.162<=0.162 (100%tile)

Outcrop rock chips 65 samples ICP-AES, H+, specific conductance, Hg (FIMS)



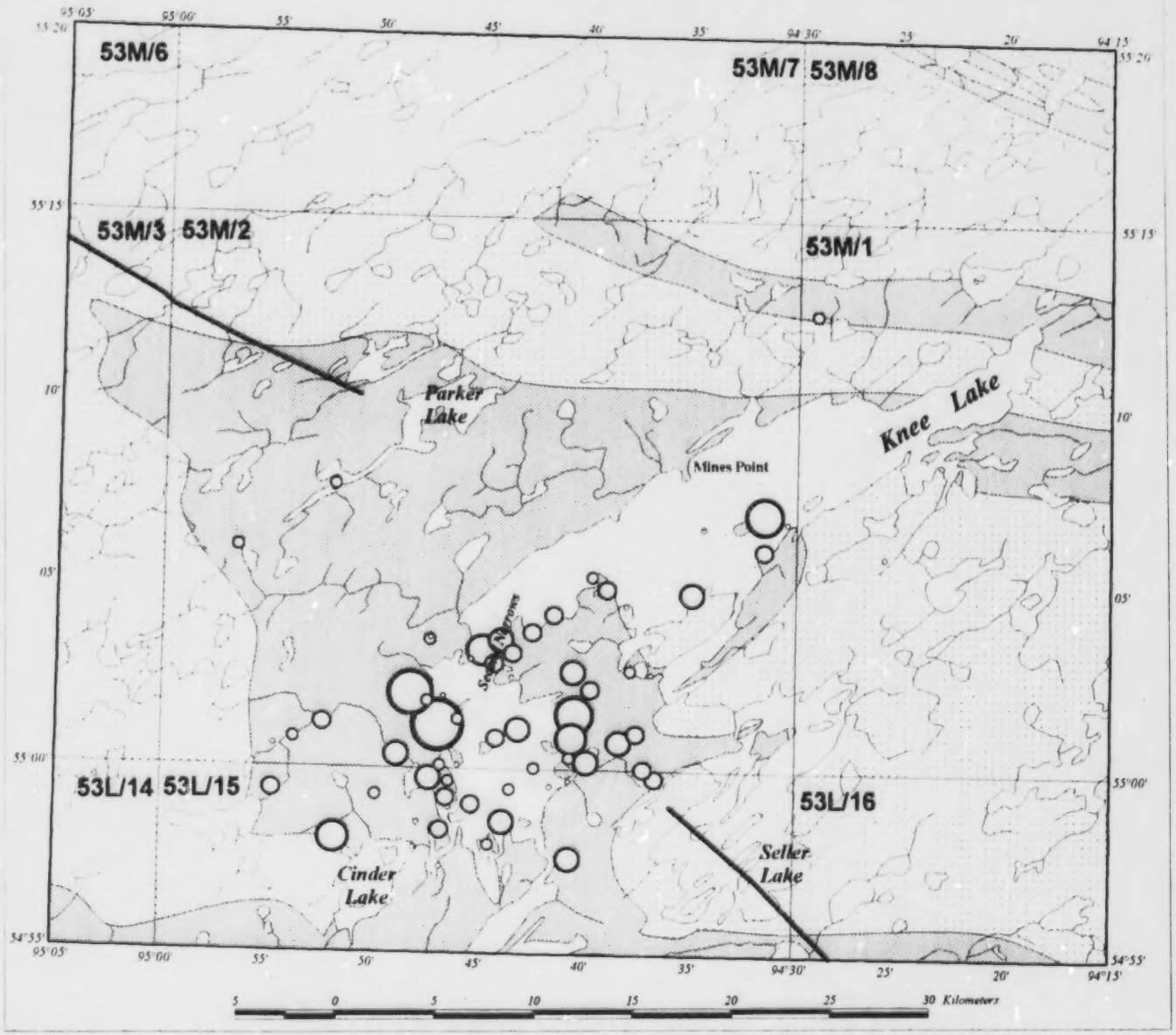
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Sc (ppm)

- >1<=2 (25%tile)
- >2<=4 (50%tile)
- >4<=6 (75%tile)
- >6<=10 (90%tile)
- >10<=11 (95%tile)
- >13<=15 (98%tile)
- >16<=16 (99%tile)
- >17<=17 (100%tile)

Outcrop rock chips 65 samples ICP-AES, H+, specific conductance, Hg (FIMS)



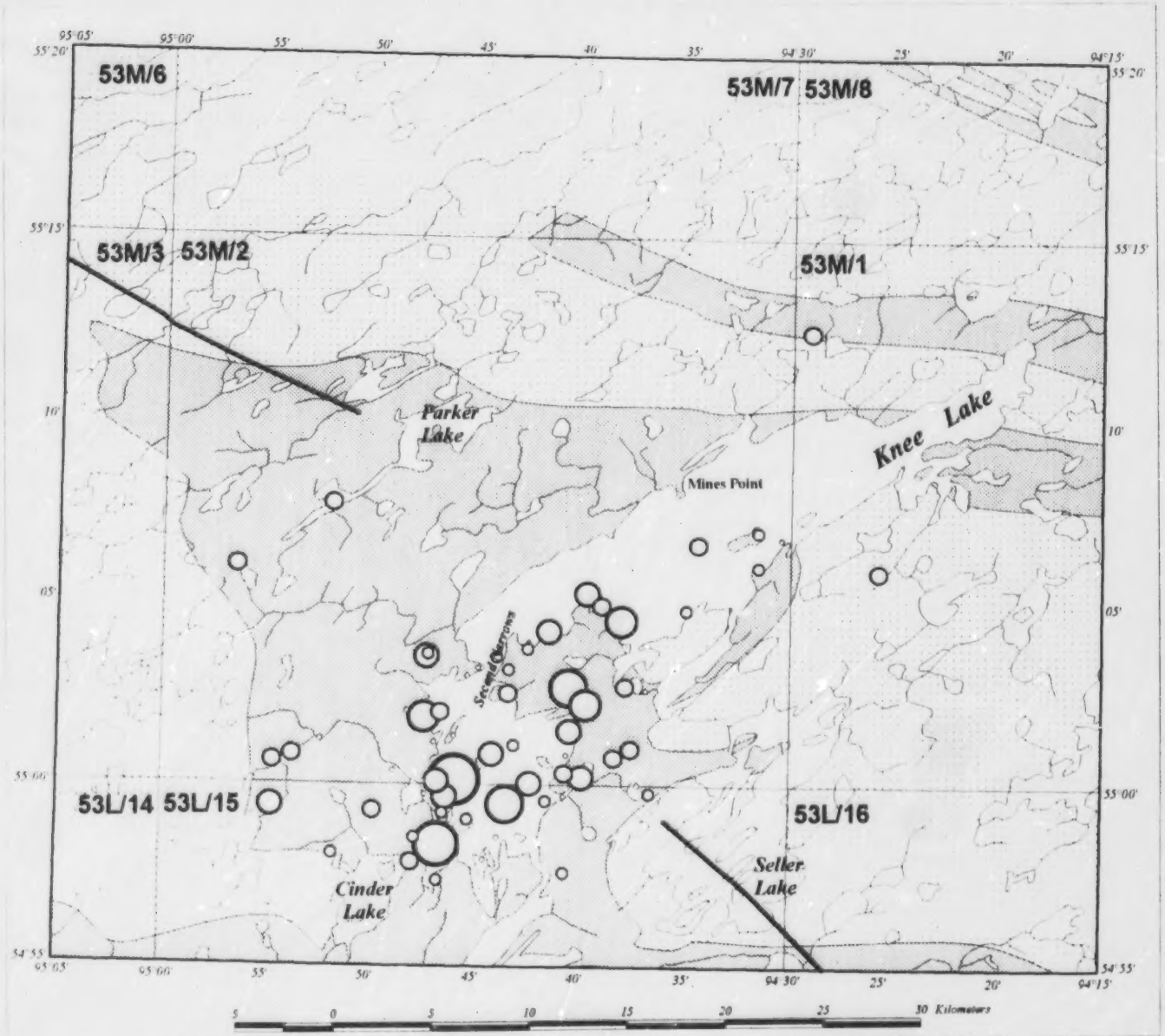
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Sr (ppm)

- >5<=16 (25%tile)
- >16<=27 (50%tile)
- >28<=48 (75%tile)
- >49<=126 (90%tile)
- >146<=153 (95%tile)
- >169<=182 (98%tile)
- >279<=279 (99%tile)
- >373<=373 (100%tile)

Outcrop rock chips 65 samples ICP-AES, H+, specific conductance, Hg (FIMS)



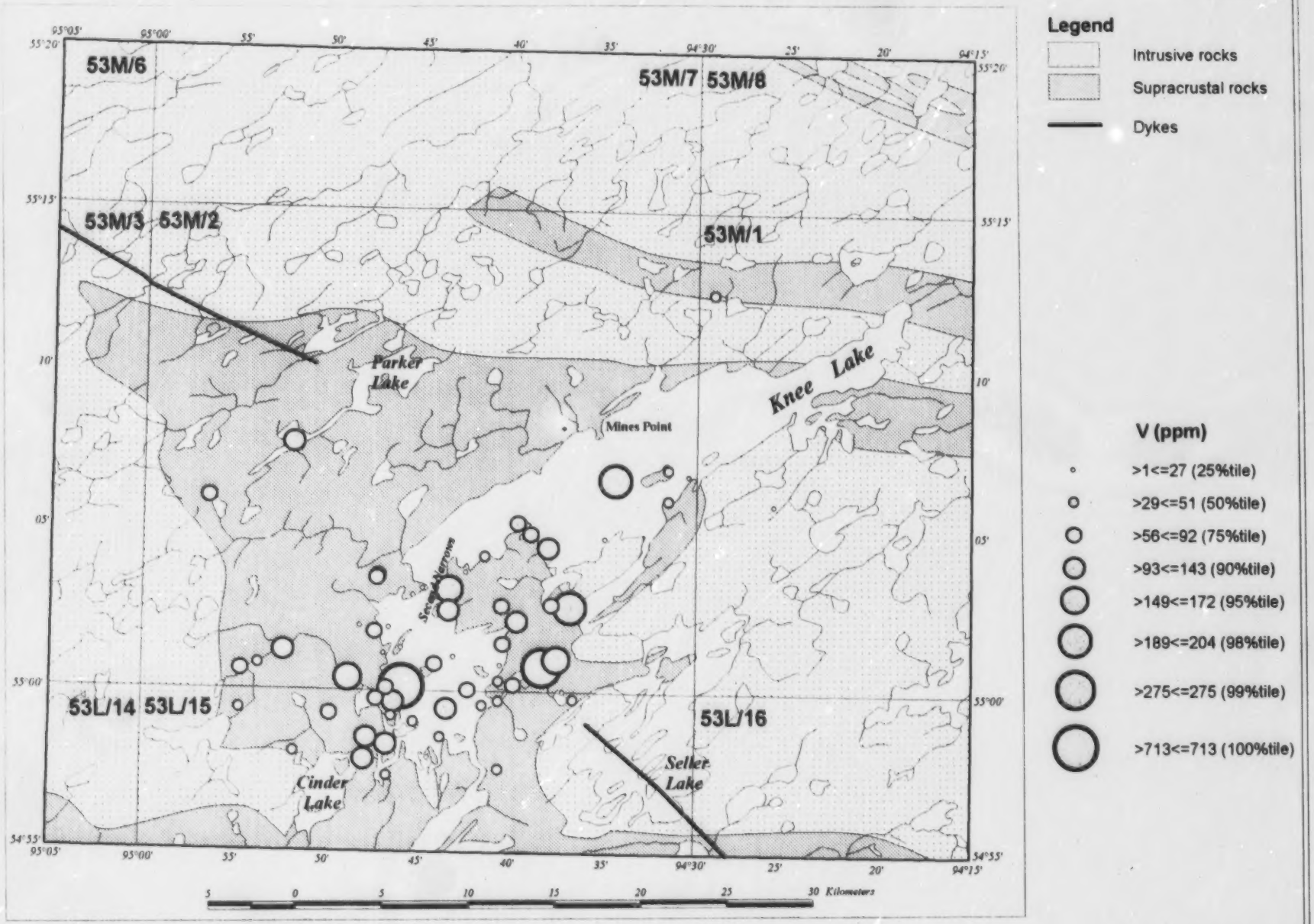
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

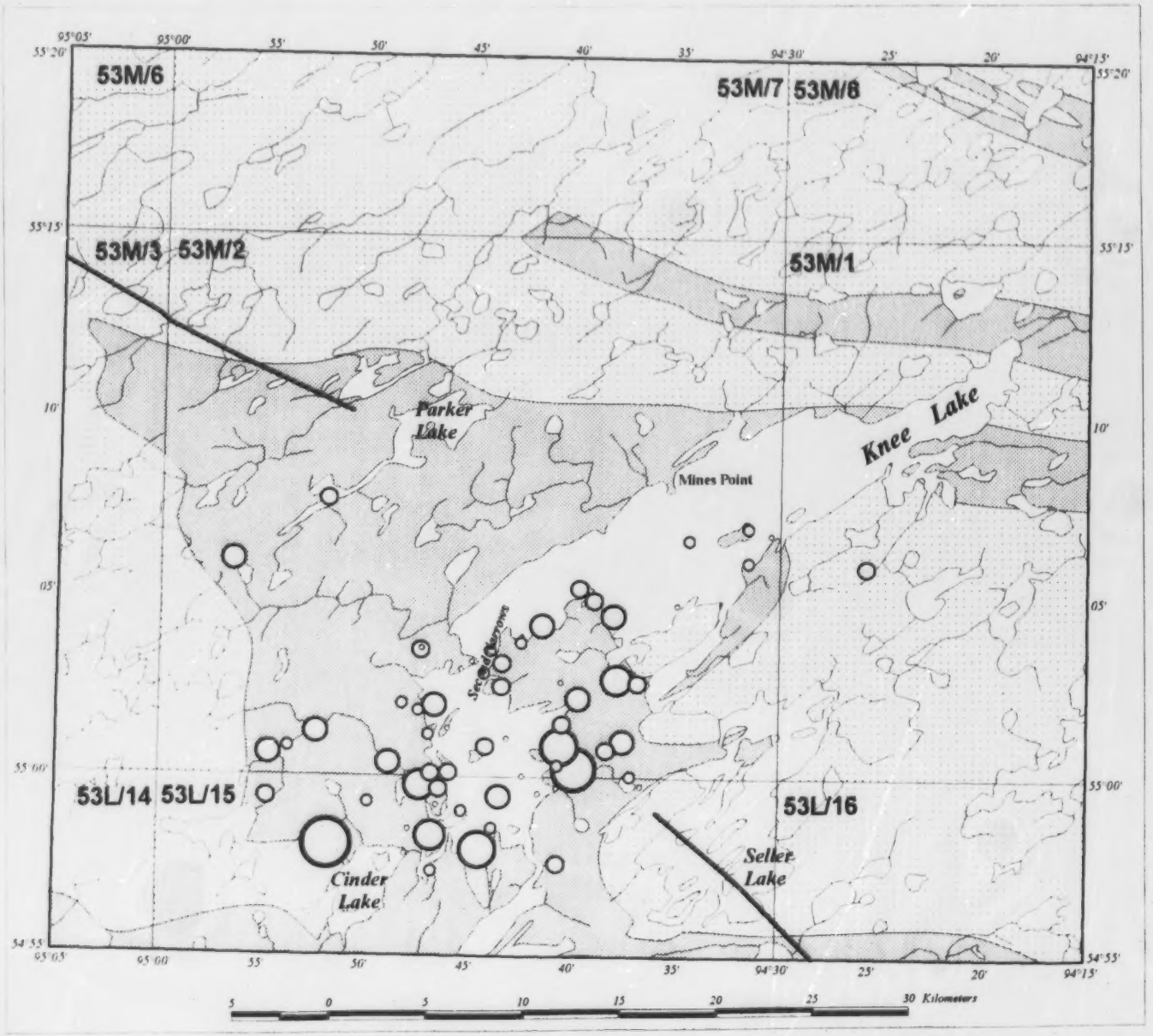
Ti (wt.%)

- >0.01<=0.09 (25%tile)
- >0.09<=0.13 (50%tile)
- >0.14<=0.20 (75%tile)
- >0.21<=0.27 (90%tile)
- >0.28<=0.30 (95%tile)
- >0.32<=0.32 (98%tile)
- >0.33<=0.33 (99%tile)
- >0.37<=0.37 (100%tile)

Outcrop rock chips 65 samples ICP-AES, H+, specific conductance, Hg (FIMS)



Outcrop rock chips 65 samples ICP-AES, H+, specific conductance, Hg (FIMS)



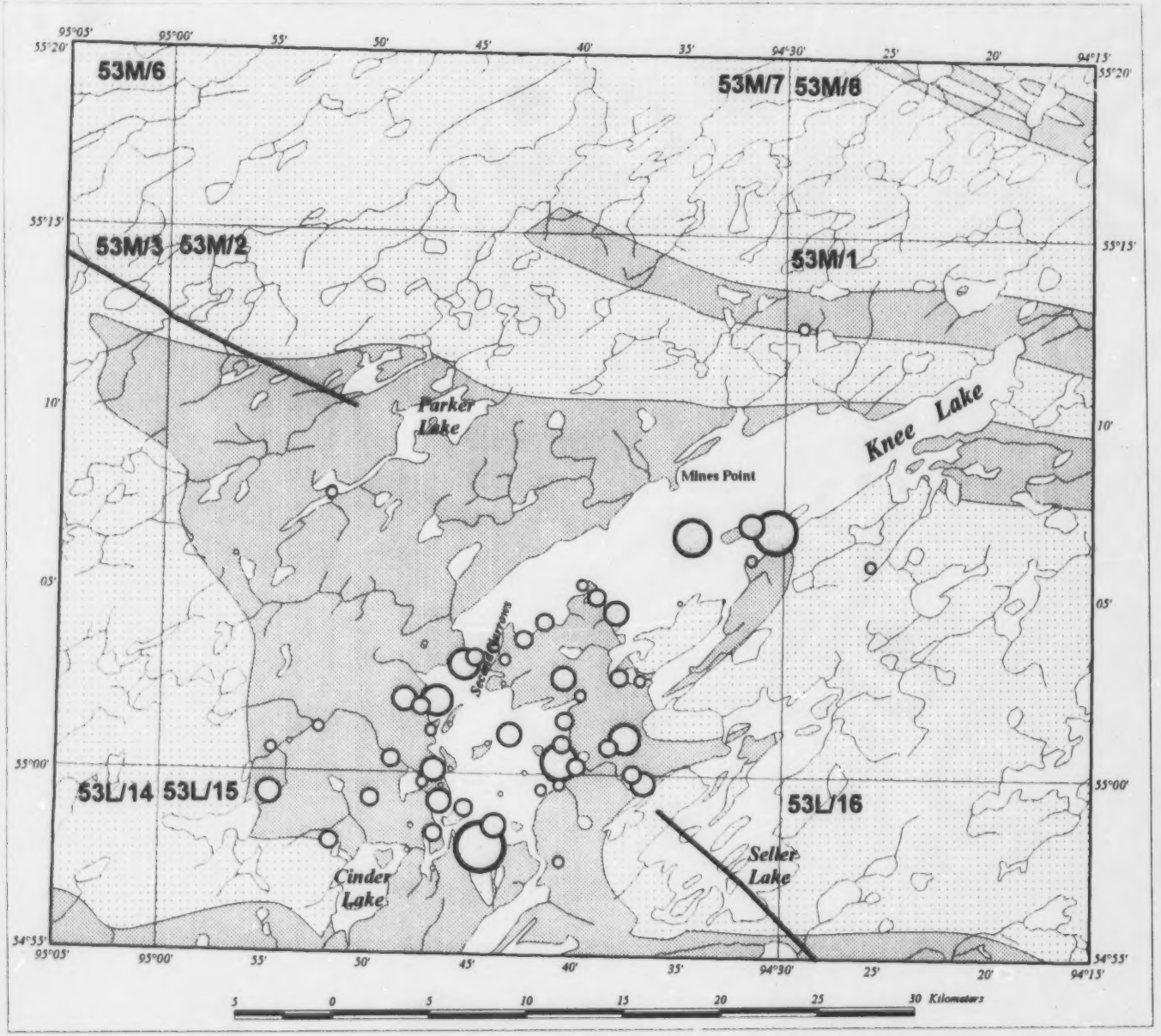
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Y (ppm)

- >1<=2 (25%tile)
- >2<=4 (50%tile)
- >4<=6 (75%tile)
- >6<=8 (90%tile)
- >8<=8 (95%tile)
- >9<=9 (98%tile)
- >15<=15 (99%tile)
- >24<=24 (100%tile)

Outcrop rock chips 65 samples ICP-AES, H+, specific conductance, Hg (FIMS)



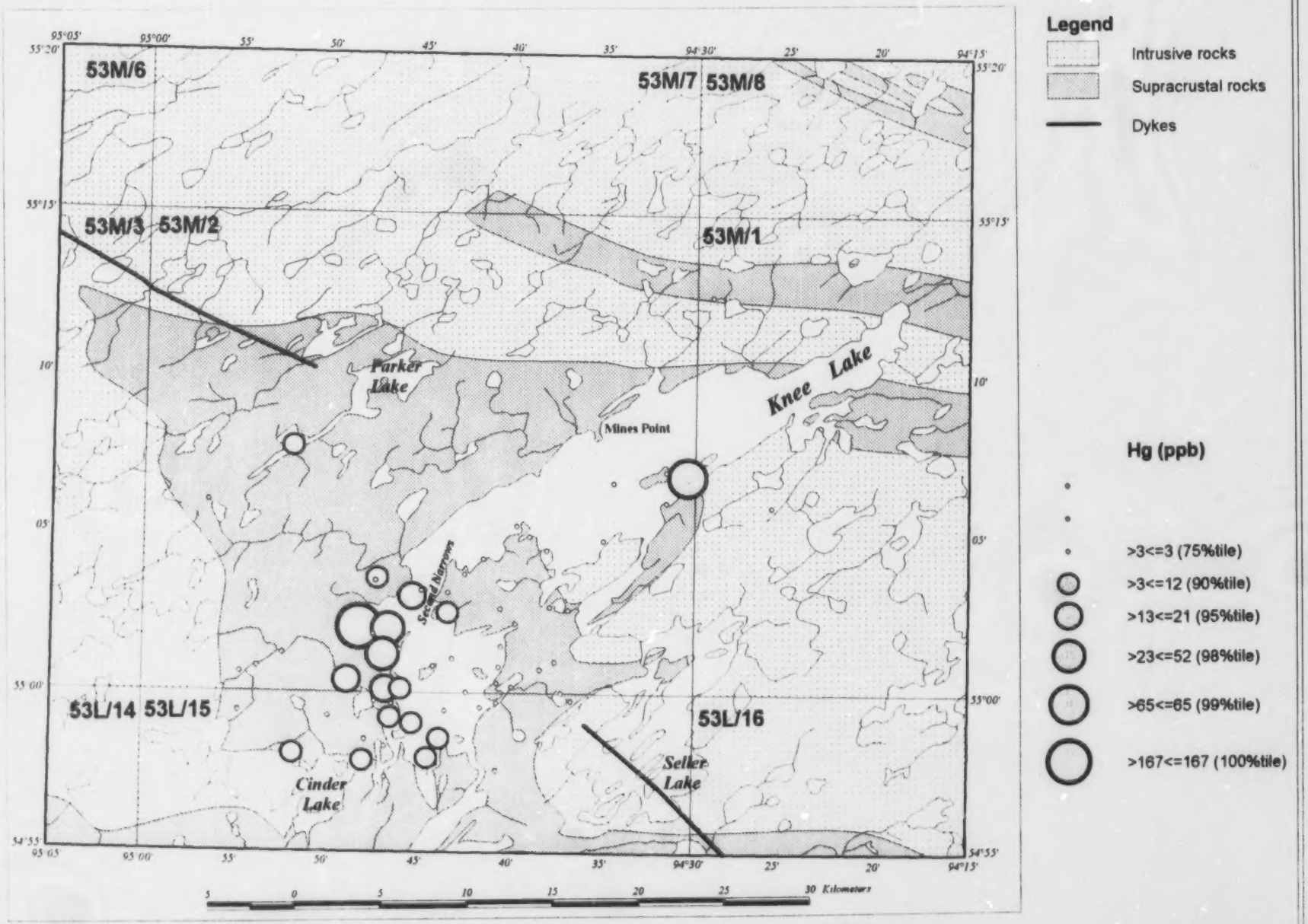
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

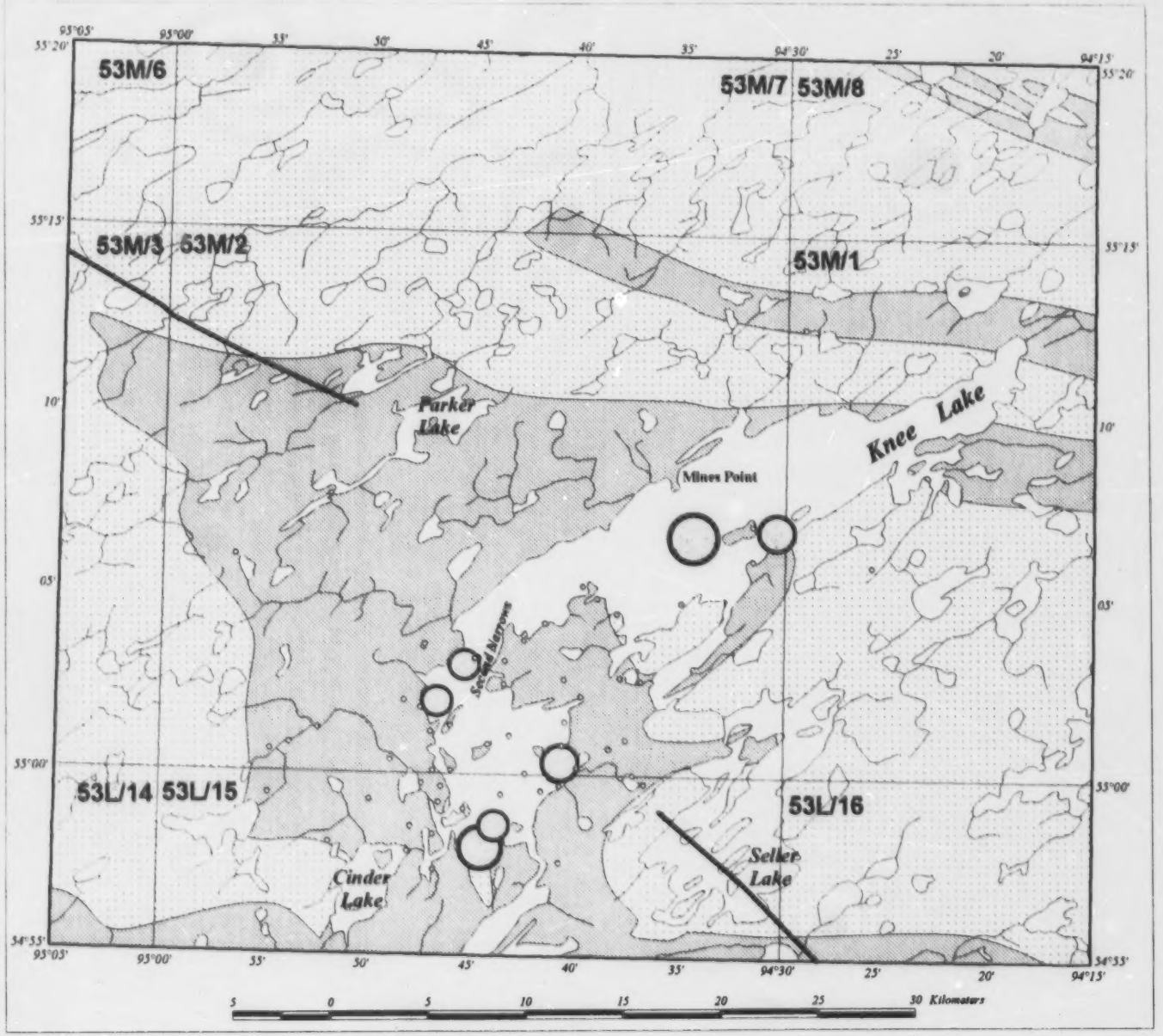
S (wt.%)

- >0.001<=0.012 (25%tile)
- >0.013<=0.060 (50%tile)
- >0.063<=0.157 (75%tile)
- >0.167<=0.398 (90%tile)
- >0.862<=1.962 (95%tile)
- >2.081<=2.394 (98%tile)
- >2.497<=2.497 (99%tile)
- >2.638<=2.638 (100%tile)

Outcrop rock chips 65 samples ICP-AES, H+, specific conductance, Hg (FIMS)



Outcrop rock chips 65 samples ICP-AES, H+, specific conductance, Hg (FIMS)



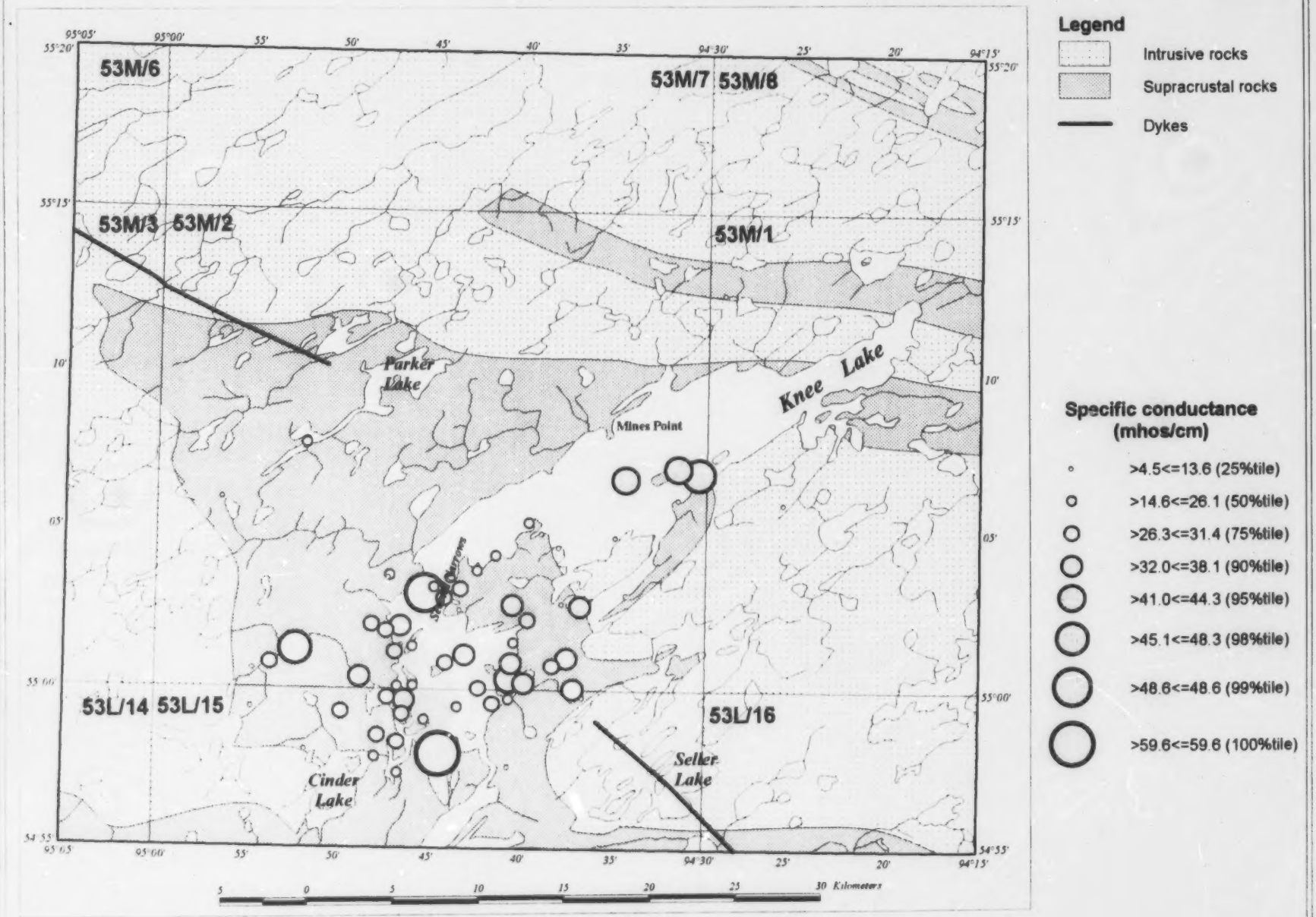
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

H+ (ppb)

- >-2.0<=-2.0 (90%tile)
- >-1.9<=-1.5 (95%tile)
- >-1.1<=0.1 (98%tile)
- >4.3<=4.3 (99%tile)
- >5.1<=5.1 (100%tile)

Outcrop rock chips 65 samples ICP-AES, H+, specific conductance, Hg (FIMS)



Outcrop rock chips 65 samples ICP-AES, H+, specific conductance, Hg (FIMS)

Appendix R-5

INA Analyses.

Sample Site	UTM		Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc
	Easting	Northing	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm
2000R-6	380742.38	6092790.50	3	3	3	1600	6	3.3	6	17	3.2	2.58	7.2	1	3	9	3.89	50	110	0.1	2.6
2000R-8	384794.28	6092294.50	3	3	5	50	1	4.7	40	189	0.3	6.70	1.1	1	3	3	1.54	120	10	0.1	34.0
2000R-9	384964.69	6093535.50	3	3	1	50	1	7.3	46	212	1.9	10.10	1.7	1	3	3	1.50	100	10	0.1	42.7
2000R-10	386124.94	6091321.50	3	3	1	50	1	8.9	38	137	0.3	9.41	2.0	1	3	3	0.83	149	10	0.3	29.4
2000R-12	386406.75	6094751.50	5	3	1	50	1	6.6	49	587	1.2	5.48	1.5	1	3	3	1.38	284	10	0.2	32.4
2000R-13	382872.97	6094968.00	3	3	1	50	1	9.2	66	366	0.3	10.20	1.5	1	3	3	1.42	180	10	0.1	48.0
2000R-15	385545.63	6095757.00	3	3	2	550	1	3.6	28	238	2.5	7.71	3.1	1	3	3	0.81	50	95	0.6	53.2
2000R-16	389243.59	6093479.00	3	3	17	800	1	0.3	14	238	7.1	5.92	3.2	1	3	3	1.62	50	120	0.7	16.3
2000R-27	387695.53	6094386.00	3	3	1	50	1	6.3	38	24	0.3	6.13	1.1	1	3	3	1.39	50	10	0.1	34.0
2000R-28	392562.69	6091566.00	3	3	1	50	4	9.9	73	720	0.3	9.12	2.0	1	3	3	1.66	50	10	0.3	47.7
2000R-31	386046.34	6098399.00	3	3	6	1200	4	1.5	3	13	1.2	0.67	1.4	1	3	3	1.19	50	49	0.5	2.4
2000R-34	387794.94	6101729.00	36	3	257	50	1	0.3	15	24	0.3	1.59	1.5	1	3	3	1.41	50	10	13.3	5.2
2000R-40	396930.69	6095529.50	3	3	1	50	1	5.2	43	229	0.3	6.85	1.2	1	3	3	2.46	50	10	0.4	40.8
2000R-42	392622.44	6095510.50	3	3	9	50	1	5.9	25	172	0.3	5.31	1.3	1	3	3	1.20	100	10	0.6	25.0
2000R-44	396369.22	6096019.00	3	3	1	50	1	5.6	40	290	0.3	6.79	1.8	1	3	3	1.17	50	10	0.1	30.5
2000R-45	395159.84	6097386.00	3	3	1	190	1	3.4	50	203	1.0	7.38	2.2	1	3	3	1.15	150	10	0.1	40.7
2000R-46	396015.28	6097819.50	3	3	1	50	9	4.2	54	287	1.7	7.25	1.6	1	3	3	1.67	200	10	0.1	34.6
2000R-49	396828.66	6100814.00	3	3	1	50	1	3.5	43	166	0.3	8.51	1.4	1	3	3	1.36	140	10	0.3	34.7
2000R-51	393755.47	6100100.50	3	3	2	50	1	5.7	47	147	0.3	8.78	1.6	1	3	3	0.97	100	10	0.8	34.9
2000R-60	395773.38	6101007.00	3	3	2	50	1	5.3	51	238	1.4	10.50	2.3	1	3	3	2.53	50	10	0.2	38.6
2000R-61	392900.03	6100991.00	3	3	1	180	1	8.3	83	1270	1.3	6.78	1.6	1	3	3	0.57	768	43	0.3	25.2
2000R-62	389885.03	6101959.00	3	3	1	1000	1	1.1	35	136	0.3	5.89	2.4	1	3	3	2.48	50	43	0.3	38.8
2000R-84	393512.25	6096425.00	3	3	3	3300	1	5.3	48	34	6.7	9.59	7.6	1	3	3	2.06	50	234	0.6	21.7
2000R-89	408752.84	6106602.00	3	3	1	630	1	1.3	6	14	18.5	2.46	4.3	1	3	3	4.05	50	101	0.3	5.0
2000R-95-1	388530.53	6092366.00	3	3	1	50	1	0.5	37	1	0.3	13.00	8.3	1	3	3	3.93	50	10	0.1	25.4
2000R-95-2	388530.53	6092366.00	163	5	6	50	1	2.4	13	4	0.3	4.42	2.4	1	3	3	1.52	50	10	0.1	8.6
2000R-96	386122.09	6093126.50	3	3	1	50	1	6.6	55	70	0.3	12.10	2.2	1	3	3	1.86	50	10	0.1	48.3
2000R-102-1	392650.41	6096653.00	3	3	4	100	1	6.9	67	393	0.3	10.10	1.8	1	3	3	1.78	200	10	1.4	31.9
2000R-102-2	392650.41	6096653.00	3	3	5	170	1	5.7	53	330	0.3	8.76	1.9	1	3	3	2.99	198	10	1.6	32.0
2000R-107	388936.94	6101455.50	3	3	1	250	1	1.4	4	14	0.3	0.88	3.4	1	3	3	4.94	50	10	0.7	5.5
2000R-108	385521.41	6099638.00	3	3	1	50	1	5.5	45	215	0.3	8.68	1.6	1	3	3	1.82	50	10	1.1	48.4
2000R-109	386132.81	6096368.00	3	3	5	50	1	7.1	41	360	0.3	6.45	2.1	1	3	3	1.40	50	10	0.1	42.2
2000R-110	386549.38	6095571.00	3	3	8	50	1	8.1	38	323	0.3	5.93	2.0	1	3	3	1.95	50	10	0.1	38.2
2000R-111	386359.69	6099886.50	3	3	1	540	1	1.0	27	83	1.7	3.77	3.4	1	3	3	2.55	50	70	0.3	15.0
2000R-113	392921.88	6098805.00	3	3	1	330	1	4.4	31	287	0.3	4.29	2.8	1	3	3	2.79	200	10	0.3	19.5
2000R-114	392777.34	6097588.00	3	3	7	530	1	3.8	13	64	1.5	3.41	5.8	1	3	6	3.19	50	49	0.4	10.4
2000R-115	391675.25	6095251.50	3	3	16	210	3	7.7	49	408	1.9	7.91	1.7	1	3	3	0.85	112	40	1.7	37.4
2000R-116	389621.63	6095117.50	3	3	1	440	1	4.8	44	252	0.3	5.59	2.7	1	3	3	1.88	120	10	0.3	43.7
2000R-117	390853.22	6096177.00	3	3	20	50	1	7.7	61	516	0.3	8.57	1.7	1	3	3	1.55	210	10	1.0	47.9
2000R-119	387047.13	6096397.00	3	3	1	50	1	2.4	66	1	8.5	16.10	1.9	1	3	3	0.61	50	34	0.1	59.3
2000R-121	388949.72	6097695.50	3	3	5	50	1	7.5	35	248	0.3	6.39	2.3	1	3	3	1.42	110	10	1.9	28.6
2000R-122	390079.06	6098127.00	3	3	1	660	1	2.2	11	64	4.6	2.11	3.1	1	3	3	3.57	50	41	0.3	5.8
2000R-125-1	388349.84	6102123.50	3	3	1	380	1	1.3	1	3	0.7	0.84	2.8	1	3	3	3.31	50	40	0.3	1.3
2000R-125-2	388349.84	6102123.50	3	3	1	360	1	1.3	1	3	0.8	0.88	2.9	1	3	3	3.40	50	67	0.1	1.2
2000R-125-3	388349.84	6102123.50	3	3	17	840	1	1.4	6	25	1.7	1.69	2.2	1	3	3	2.05	50	41	1.4	3.3
2000R-125-4	388349.84	6102123.50	3	3	18	950	2	2.1	5	22	1.8	1.86	2.3	1	3	3	2.87	50	62	1.6	4.1
2000R-126	389293.28	6102642.00	3	3	14	700	1	3.9	21	127	1.9	3.50	2.9	1	3	3	1.09	50	85	1.3	15.4
2000R-128	390869.06	6103009.00	3	3	1	470	1	2.3	8	5	2.3	1.99	2.0	1	3	3	1.94	50	43	0.1	3.7

Sample Site	UTM		Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc
	Easting	Northing	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm
2000R-129	391955.44	6103866.00	3	3	1	50	1	10.9	48	213	0.3	7.82	1.8	1	3	3	1.57	50	10	0.2	35.6
2000R-131	393909.19	6105750.00	3	3	1	170	1	6.4	37	151	1.5	7.61	1.4	1	3	3	1.09	50	10	0.1	35.8
2000R-132	394643.75	6105112.00	3	3	1	50	1	6.8	42	247	0.3	8.23	1.0	1	3	3	1.08	50	10	0.1	37.4
2000R-133	395632.94	6104304.50	3	3	1	50	6	5.4	47	232	2.4	9.09	2.2	1	3	3	1.97	50	10	0.2	38.4
2000R-143	398945.84	6104816.50	3	3	1	1400	1	1.1	4	10	3.6	1.24	2.8	1	3	3	4.29	130	72	0.1	2.3
2000R-151	402635.81	6106941.00	3	3	1	50	1	6.6	58	1270	0.9	7.13	0.9	1	3	3	0.54	365	10	0.1	32.5
2000R-153-1	403857.41	6108381.00	8920	3	62	370	2	0.8	25	26	1.5	4.00	1.9	1	3	3	0.69	50	41	0.1	5.8
2000R-153-2	403857.41	6108381.00	8130	3	67	1000	3	1.0	28	45	1.8	4.30	2.2	1	3	3	0.58	50	68	0.6	8.8
2000R-153-3	403857.41	6108381.00	584000	91	28	50	1	0.3	13	2.5	0.3	5.90	0.5	1	3	3	0.24	50	10	0.1	1.2
2000R-153-4	403857.41	6108381.00	82900	11	1320	170	8	2.0	20	64	2.0	3.61	0.6	1	3	3	0.83	50	28	0.2	10.2
2000R-153-5	403857.41	6108381.00	29000	10	450	50	4	1.3	85	23	0.9	8.00	0.5	1	3	3	0.27	50	10	0.1	10.4
2000R-157	402663.81	6108717.50	11	3	2	400	1	14.3	104	1550	3.3	14.70	2.6	1	3	3	0.30	344	28	2.8	44.7
2000R-160	399579.41	6108137.00	10	3	2	190	1	2.7	50	249	4.7	8.16	1.7	1	3	3	1.47	110	10	0.7	30.9
2000R-172	387049.19	6098700.50	3	3	18	50	2	1.2	5	81	0.5	1.68	0.3	1	3	3	0.02	50	10	0.3	5.1
2000R-178	383961.50	6096975.00	3	3	1	310	1	7.1	31	334	0.3	9.22	1.8	1	3	3	1.19	50	10	0.4	45.9
2000R-182	385706.34	6102721.00	3	3	1	150	1	6.4	42	361	0.3	8.04	2.5	1	3	3	1.76	50	33	0.7	34.3
2000R-209	377791.78	6097599.50	11	3	1	50	1	4.6	46	157	0.3	10.90	2.3	1	3	3	2.30	50	10	0.2	38.2
2000R-210	378771.63	6097898.50	3	3	1	50	5	9.9	49	319	0.3	8.59	1.3	1	3	3	1.42	50	10	0.1	42.5
2000R-220	381027.66	6110614.00	3	3	1	540	1	2.3	19	120	3.4	4.15	2.2	1	3	3	2.31	50	30	2.0	14.8
2000R-226	385778.38	6102867.50	3	3	1	50	1	2.1	35	314	0.3	8.42	1.9	1	3	3	0.33	132	10	0.4	28.2
2000R-227	389816.63	6100772.00	3	3	1	130	1	5.1	46	57	1.2	10.70	3.0	1	3	3	2.60	50	10	0.1	40.3
2000R-324	405468.59	6118863.50	3	3	1	310	1	2.0	9	29	1.1	2.38	2.3	1	3	3	3.05	50	71	0.1	5.0
2000R-328	399453.69	6113119.50	49	3	32	860	1	2.1	13	117	3.7	3.31	2.6	1	3	3	1.67	50	71	3.5	10.4
2000R-360	377658.47	6095328.00	3	3	1	110	1	11.1	47	310	1.6	9.30	2.6	1	3	10	1.45	50	10	0.2	37.0
2000R-362	380254.41	6098643.00	3	3	3	50	1	10.2	47	82	0.3	9.20	1.7	1	3	3	1.81	50	10	1.5	44.5
2000R-366	376100.69	6107566.50	3	3	1	180	1	7.1	47	89	2.2	8.00	2.4	1	3	3	2.13	50	10	0.1	40.4

Sample Site	Se	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	TREE
	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
2000R-6	2	0.09	2	37.4	9.3	2	108	146.0	240	91	17.0	4.4	0.3	1.7	0.24	500.59
2000R-8	2	0.03	1	0.3	0.3	2	121	2.9	8	3	1.7	0.7	0.3	1.9	0.28	18.23
2000R-9	2	0.03	1	0.3	0.3	2	158	4.0	12	3	2.3	0.8	0.3	3.2	0.48	25.53
2000R-10	2	0.03	1	0.3	0.3	2	153	4.7	11	3	1.7	0.7	0.3	2.2	0.33	23.38
2000R-12	2	0.03	1	1.4	0.3	2	85	5.9	13	8	1.8	0.6	0.5	1.6	0.26	31.66
2000R-13	2	0.03	1	0.3	0.3	2	65	2.4	8	3	1.9	0.8	0.3	2.2	0.34	18.39
2000R-15	2	0.03	1	0.8	0.3	2	111	5.8	16	9	2.8	0.9	0.6	2.8	0.42	38.32
2000R-16	2	0.03	1	8.2	2.1	2	62	24.8	46	17	3.3	1.0	0.3	0.9	0.14	93.39
2000R-27	2	0.03	1	1.3	1.0	2	53	5.2	11	3	1.4	0.5	0.3	1.4	0.21	22.46
2000R-28	2	0.03	1	1.7	0.3	2	134	5.7	14	6	2.3	0.8	0.3	2.5	0.35	31.90
2000R-31	2	0.03	1	3.9	1.4	2	20	19.0	30	11	2.2	0.8	0.3	0.3	0.05	63.60
2000R-34	2	0.03	1	2.5	0.7	11	20	13.2	22	9	1.8	0.4	0.3	0.5	0.08	47.23
2000R-40	2	0.03	1	0.3	0.3	2	101	1.8	6	3	1.3	0.6	0.3	1.5	0.24	14.19
2000R-42	2	0.03	1	0.3	0.3	2	107	3.3	7	3	1.4	0.6	0.3	1.4	0.20	16.65
2000R-44	2	0.03	1	0.5	0.3	2	158	4.7	13	7	2.5	0.8	0.7	2.5	0.39	31.59
2000R-45	2	0.03	1	0.5	0.3	2	169	4.8	13	3	2.5	0.9	0.3	2.7	0.42	27.07
2000R-46	2	0.03	1	0.3	0.3	2	120	2.7	7	5	1.9	0.7	0.3	2.1	0.30	19.95
2000R-49	2	0.03	1	0.3	0.3	2	124	2.3	5	6	1.6	0.6	0.8	2.0	0.33	18.63
2000R-51	2	0.03	1	0.3	0.3	2	152	4.4	11	8	2.4	0.8	0.6	2.7	0.41	30.31
2000R-60	2	0.03	1	0.6	0.3	2	171	6.8	16	8	3.2	1.1	0.7	3.3	0.51	39.61
2000R-61	2	0.03	1	1.0	0.3	2	158	15.0	33	17	3.7	1.0	0.3	1.4	0.22	71.57
2000R-62	2	0.03	1	0.3	0.3	2	135	4.8	11	5	1.8	0.8	0.3	1.9	0.26	25.81
2000R-84	2	0.05	1	11.4	3.1	3	228	57.0	110	47	9.4	2.3	0.7	3.0	0.45	229.85
2000R-89	2	0.03	1	4.5	1.7	2	46	15.5	29	8	2.2	0.7	0.3	1.0	0.14	56.79
2000R-95-1	2	0.03	1	8.6	2.5	11	20	37.9	68	28	8.1	1.7	1.2	6.6	1.01	152.51
2000R-95-2	2	0.03	1	3.0	1.3	17	20	11.5	25	10	2.8	0.8	0.3	2.3	0.35	53.00
2000R-96	2	0.03	1	0.5	0.3	2	173	8.2	22	13	4.3	1.3	0.6	4.0	0.60	54.00
2000R-102-1	2	0.03	1	2.1	0.3	2	230	8.8	18	8	2.5	0.7	0.3	1.9	0.28	40.43
2000R-102-2	2	0.03	1	2.5	0.3	2	180	6.8	15	10	2.4	0.6	0.6	1.7	0.27	37.37
2000R-107	2	0.03	1	1.6	0.3	2	20	14.9	24	10	2.0	0.6	0.3	0.6	0.10	52.45
2000R-108	2	0.03	1	0.6	0.3	2	124	5.2	13	7	2.4	0.7	0.3	2.5	0.38	31.43
2000R-109	2	0.03	1	1.8	0.3	2	80	7.5	17	8	2.5	0.7	0.5	2.2	0.34	38.74
2000R-110	2	0.03	1	1.2	0.7	2	73	8.0	17	10	2.4	0.7	0.5	2.4	0.37	41.37
2000R-111	2	0.03	1	3.4	0.8	2	316	13.7	26	10	2.3	1.0	0.3	1.5	0.23	54.98
2000R-113	2	0.06	1	2.5	0.3	2	84	19.5	38	16	3.7	1.1	0.3	1.5	0.21	80.26
2000R-114	2	0.03	1	15.6	5.5	2	123	51.0	86	36	7.3	2.2	0.3	2.0	0.30	185.05
2000R-115	2	0.03	1	1.6	0.3	2	134	6.3	14	8	2.1	0.7	0.6	2.1	0.31	34.11
2000R-116	2	0.03	1	1.0	0.3	2	197	7.0	16	8	3.0	1.1	0.6	2.6	0.39	38.69
2000R-117	2	0.03	1	1.4	0.3	2	141	6.3	15	6	2.6	0.9	0.3	2.7	0.41	34.16
2000R-119	2	0.03	1	1.6	0.8	2	238	7.0	15	5	2.3	1.1	0.3	2.5	0.39	33.54
2000R-121	2	0.03	1	1.8	0.3	2	129	8.1	18	7	2.4	0.9	0.3	2.4	0.35	39.40
2000R-122	2	0.03	1	3.7	1.1	2	20	20.4	37	14	2.9	0.8	0.3	0.4	0.06	75.81
2000R-125-1	2	0.03	1	6.2	1.5	4	20	31.7	52	18	2.8	0.7	0.3	0.7	0.11	106.26
2000R-125-2	2	0.03	1	6.5	1.5	4	20	33.7	56	19	3.0	0.7	0.3	0.7	0.11	113.46
2000R-125-3	2	0.03	1	5.0	1.2	5	41	12.1	21	8	1.6	0.5	0.3	0.5	0.09	44.04
2000R-125-4	2	0.06	1	5.8	2.0	5	20	14.8	26	7	2.0	0.6	0.3	0.6	0.09	51.34
2000R-126	2	0.03	1	6.0	0.9	2	102	28.7	58	22	4.6	1.3	0.3	1.6	0.23	116.68
2000R-128	2	0.03	1	3.1	1.0	2	45	19.9	38	13	2.4	0.6	0.3	0.7	0.11	74.96

Sample Site	Se	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	TREE
	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
2000R-129	2	0.03	1	0.3	0.3	2	154	5.3	14	9	2.9	0.9	0.6	3.0	0.44	36.14
2000R-131	2	0.03	1	0.3	0.3	2	103	3.0	9	3	2.0	0.7	0.3	2.4	0.36	20.21
2000R-132	2	0.03	1	0.3	0.3	2	110	1.8	6	3	1.6	0.6	0.3	2.2	0.33	15.28
2000R-133	2	0.03	1	0.3	0.3	2	129	4.0	13	6	3.0	0.9	0.3	3.2	0.48	30.83
2000R-143	2	0.09	1	3.6	0.8	2	63	18.2	32	14	2.4	0.6	0.3	0.3	0.05	67.80
2000R-151	2	0.03	1	0.3	0.3	2	101	2.5	8	3	1.6	0.4	0.3	1.6	0.25	17.10
2000R-153-1	2	0.03	1	2.5	1.2	5	186	11.5	23	10	1.9	0.5	0.3	0.7	0.11	47.96
2000R-153-2	7	0.03	1	4.0	0.3	10	125	14.2	26	11	2.4	0.6	0.3	1.1	0.16	55.71
2000R-153-3	2	0.03	1	0.3	0.3	13	17000	2.3	3	3	0.1	0.1	0.3	0.3	0.03	7.93
2000R-153-4	2	0.03	1	0.3	0.3	2	97	4.8	5	5	0.8	0.1	0.3	0.5	0.03	16.43
2000R-153-5	2	0.03	1	0.3	0.3	2	75	2.7	2	3	1.2	0.1	0.3	1.0	0.15	9.35
2000R-157	2	0.03	1	0.7	0.3	2	211	8.2	22	16	4.2	1.2	0.3	2.7	0.41	54.96
2000R-160	2	0.03	1	0.3	0.3	48	20	3.3	9	3	1.9	0.5	0.3	1.9	0.30	19.65
2000R-172	2	0.03	1	0.3	0.3	2	20	3.3	6	3	0.7	0.3	0.3	0.2	0.03	13.28
2000R-178	2	0.03	1	1.1	0.3	2	147	4.8	11	3	1.7	0.8	0.3	2.3	0.35	23.70
2000R-182	2	0.03	1	2.6	0.3	2	20	10.4	23	11	2.9	0.8	0.3	2.7	0.42	51.47
2000R-209	2	0.03	1	2.1	1.0	2	152	7.5	20	10	3.3	1.0	0.3	3.4	0.50	45.95
2000R-210	2	0.03	1	0.3	0.3	2	127	2.7	8	7	1.6	0.6	0.3	1.9	0.28	22.33
2000R-220	2	0.03	1	5.6	1.5	2	85	21.8	41	16	3.1	0.9	0.3	1.2	0.19	84.44
2000R-226	2	0.03	1	1.9	0.3	2	141	8.3	22	9	2.6	0.8	0.3	2.5	0.38	45.83
2000R-227	2	0.03	1	0.7	0.3	2	166	7.1	20	13	3.9	1.2	0.3	4.1	0.62	50.17
2000R-324	2	0.03	1	6.9	0.3	2	59	19.4	38	15	2.9	0.8	0.3	0.5	0.09	76.94
2000R-328	2	0.03	1	6.4	2.0	2	65	31.8	58	23	4.0	1.0	0.3	0.9	0.14	119.09
2000R-360	2	0.03	1	2.3	0.3	2	136	24.9	42	16	4.0	1.2	0.6	3.8	0.58	93.08
2000R-362	2	0.03	1	0.5	0.3	2	151	3.0	8	7	2.4	0.8	0.5	3.4	0.51	25.61
2000R-366	2	0.03	1	1.2	0.3	2	112	6.3	17	10	3.2	1.1	0.7	3.3	0.50	42.10

Appendix R-6

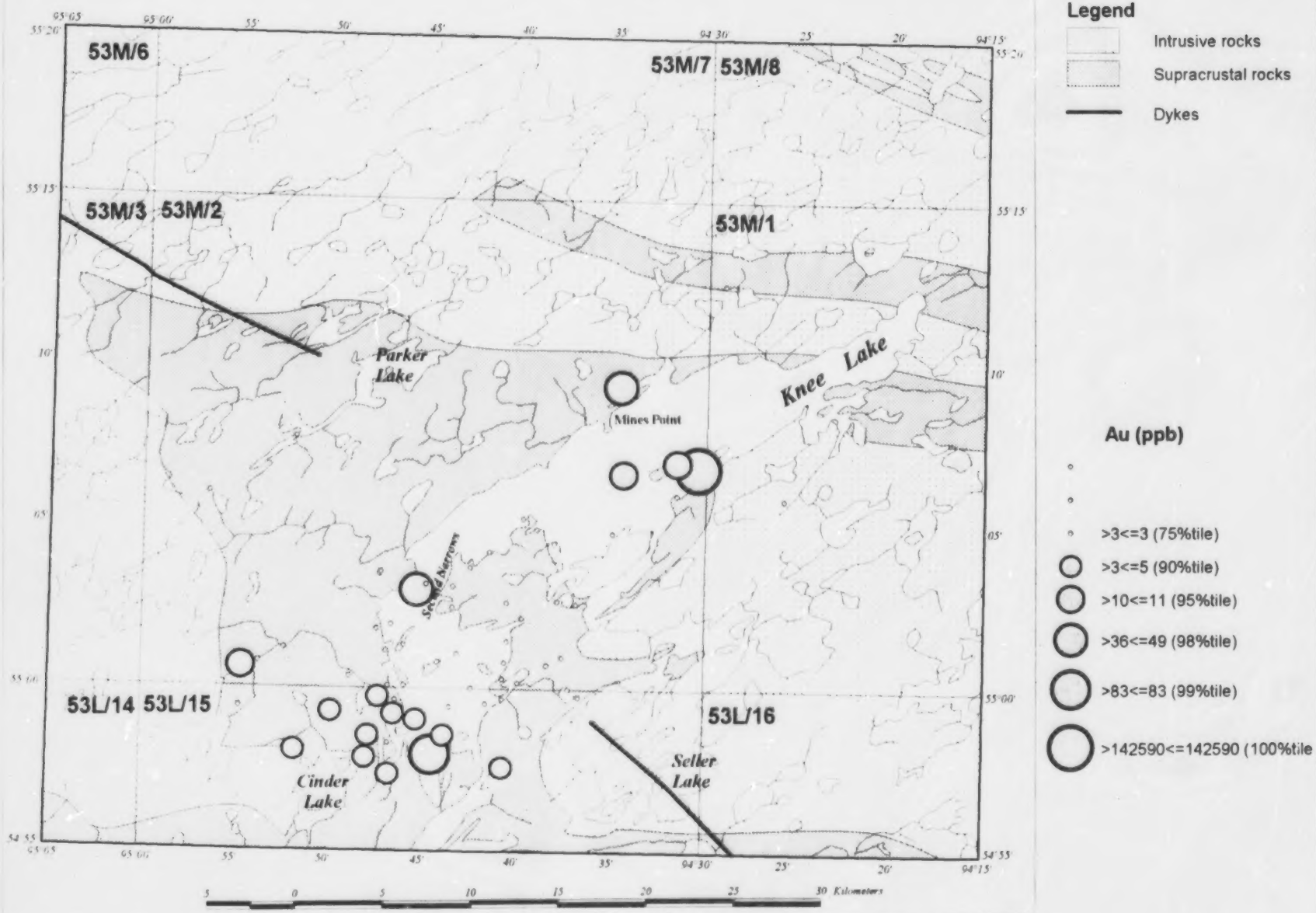
INA Analyses, Multiple Samples.

Sample Site	UTM		Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc
	Easting	Northing	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm
2000R-95-1	388530.53	6092366.00	3	3	1	50	1	0.5	37	1	0.3	13.00	8.3	1	3	3	3.93	50	10	0.1	25.4
2000R-95-2	388530.53	6092366.00	163	5	6	50	1	2.4	13	4	0.3	4.42	2.4	1	3	3	1.52	50	10	0.1	8.6
2000R-102-1	392650.41	6096653.00	3	3	4	100	1	6.9	67	393	0.3	10.10	1.8	1	3	3	1.78	200	10	1.4	31.9
2000R-102-2	392650.41	6096653.00	3	3	5	170	1	5.7	53	330	0.3	8.76	1.9	1	3	3	2.99	198	10	1.6	32.0
2000R-125-1	388349.84	6102123.50	3	3	1	380	1	1.3	1	3	0.7	0.84	2.8	1	3	3	3.31	50	40	0.3	1.3
2000R-125-2	388349.84	6102123.50	3	3	1	360	1	1.3	1	3	0.8	0.88	2.9	1	3	3	3.40	50	67	0.1	1.2
2000R-125-3	388349.84	6102123.50	3	3	17	840	1	1.4	6	25	1.7	1.69	2.2	1	3	3	2.05	50	41	1.4	3.3
2000R-125-4	388349.84	6102123.50	3	3	18	950	2	2.1	5	22	1.8	1.86	2.3	1	3	3	2.87	50	62	1.6	4.1
2000R-153-1	403857.41	6108381.00	8920	3	62	370	2	0.8	25	26	1.5	4.00	1.9	1	3	3	0.69	50	41	0.1	5.8
2000R-153-2	403857.41	6108381.00	8130	3	67	1000	3	1.0	28	45	1.8	4.30	2.2	1	3	3	0.58	50	68	0.6	8.8
2000R-153-3	403857.41	6108381.00	584000	91	28	50	1	0.3	13	2.5	0.3	5.90	0.5	1	3	3	0.24	50	10	0.1	1.2
2000R-153-4	403857.41	6108381.00	82900	11	1320	170	8	2.0	20	64	2.0	3.61	0.6	1	3	3	0.83	50	28	0.2	10.2
2000R-153-5	403857.41	6108381.00	29000	10	450	50	4	1.3	85	23	0.9	8.00	0.5	1	3	3	0.27	50	10	0.1	10.4

Sample Site	Se	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	TREE
	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
2000R-95-1	2	0.03	1	8.6	2.5	11	20	37.9	68	28	8.1	1.7	1.2	6.6	1.01	152.51
2000R-95-2	2	0.03	1	3.0	1.3	17	20	11.5	25	10	2.8	0.8	0.3	2.3	0.35	53.00
2000R-102-1	2	0.03	1	2.1	0.3	2	230	8.8	18	8	2.5	0.7	0.3	1.9	0.28	40.43
2000R-102-2	2	0.03	1	2.5	0.3	2	180	6.8	15	10	2.4	0.6	0.6	1.7	0.27	37.37
2000R-125-1	2	0.03	1	6.2	1.5	4	20	31.7	52	18	2.8	0.7	0.3	0.7	0.11	106.26
2000R-125-2	2	0.03	1	6.5	1.5	4	20	33.7	56	19	3.0	0.7	0.3	0.7	0.11	113.46
2000R-125-3	2	0.03	1	5.0	1.2	5	41	12.1	21	8	1.6	0.5	0.3	0.5	0.09	44.04
2000R-125-4	2	0.06	1	5.8	2.0	5	20	14.8	26	7	2.0	0.6	0.3	0.6	0.09	51.34
2000R-153-1	2	0.03	1	2.5	1.2	5	186	11.5	23	10	1.9	0.5	0.3	0.7	0.11	47.96
2000R-153-2	7	0.03	1	4.0	0.3	10	125	14.2	26	11	2.4	0.6	0.3	1.1	0.16	55.71
2000R-153-3	2	0.03	1	0.3	0.3	13	17000	2.3	3	3	0.1	0.1	0.3	0.3	0.03	7.93
2000R-153-4	2	0.03	1	0.3	0.3	2	97	4.8	5	5	0.8	0.1	0.3	0.5	0.03	16.43
2000R-153-5	2	0.03	1	0.3	0.3	2	75	2.7	2	3	1.2	0.1	0.3	1.0	0.15	9.35

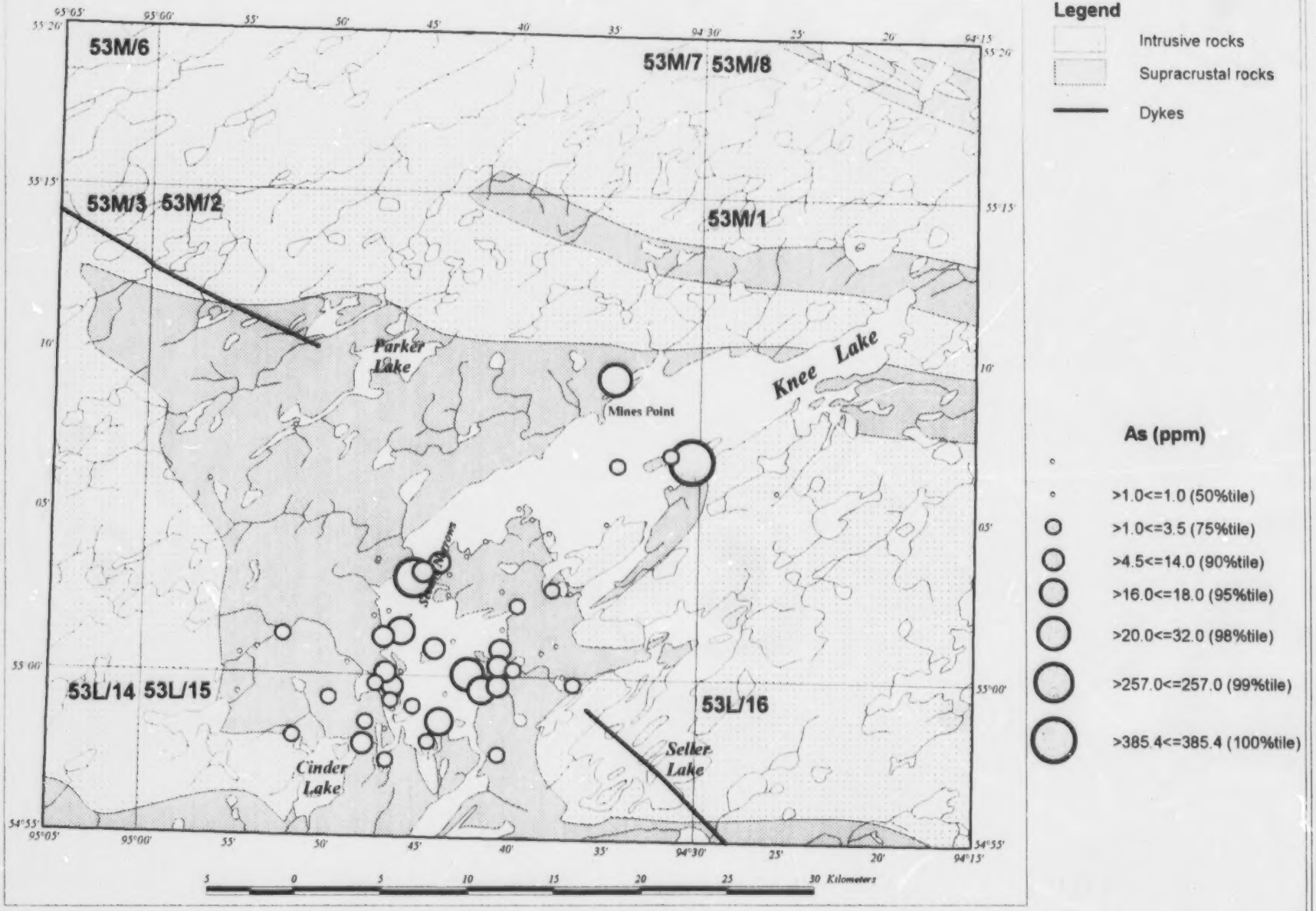
Appendix R-7

INAA Percentile Bubble Plots.



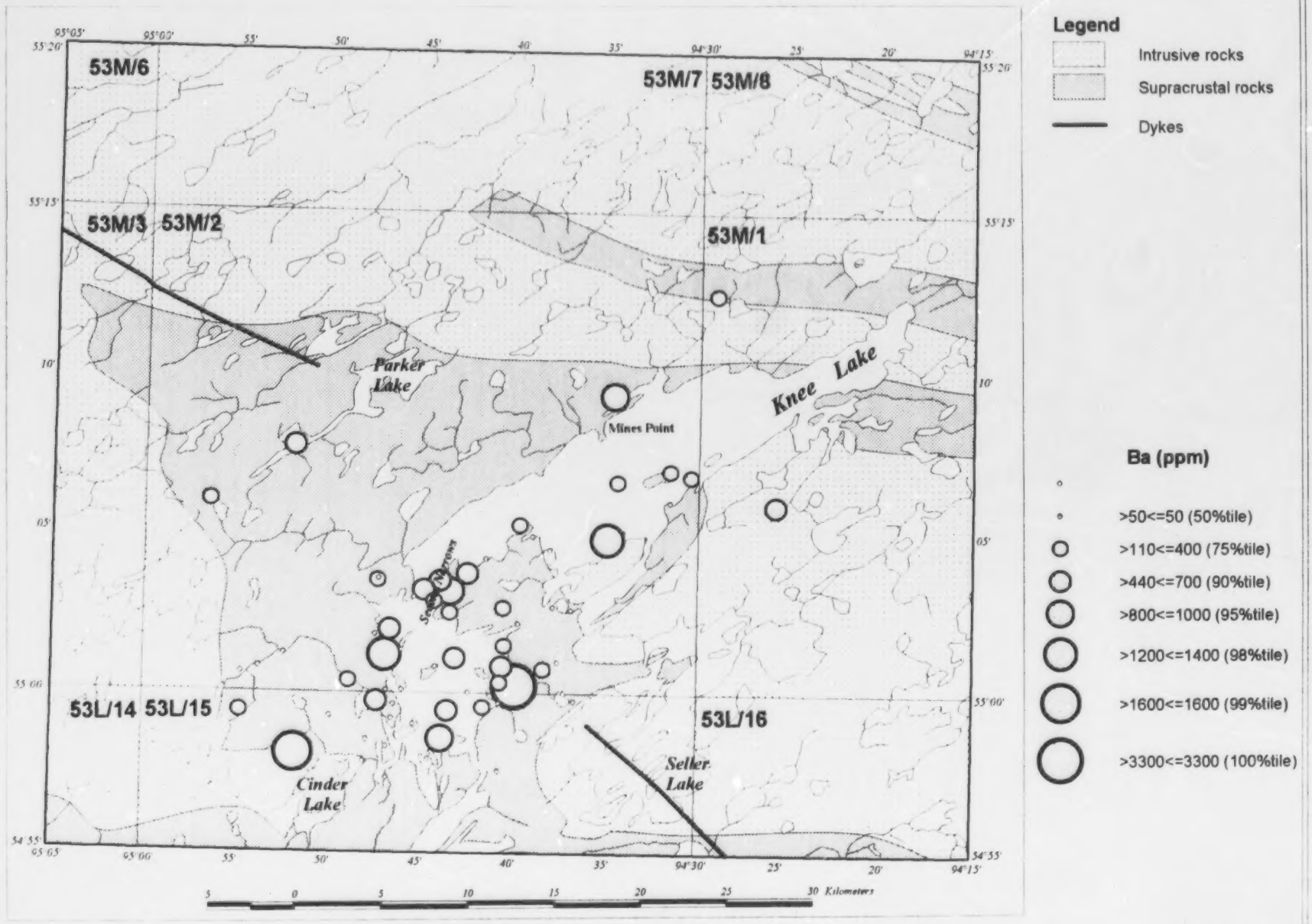
Outcrop Rock Chips 65 samples INAA

Appendix R-7-1



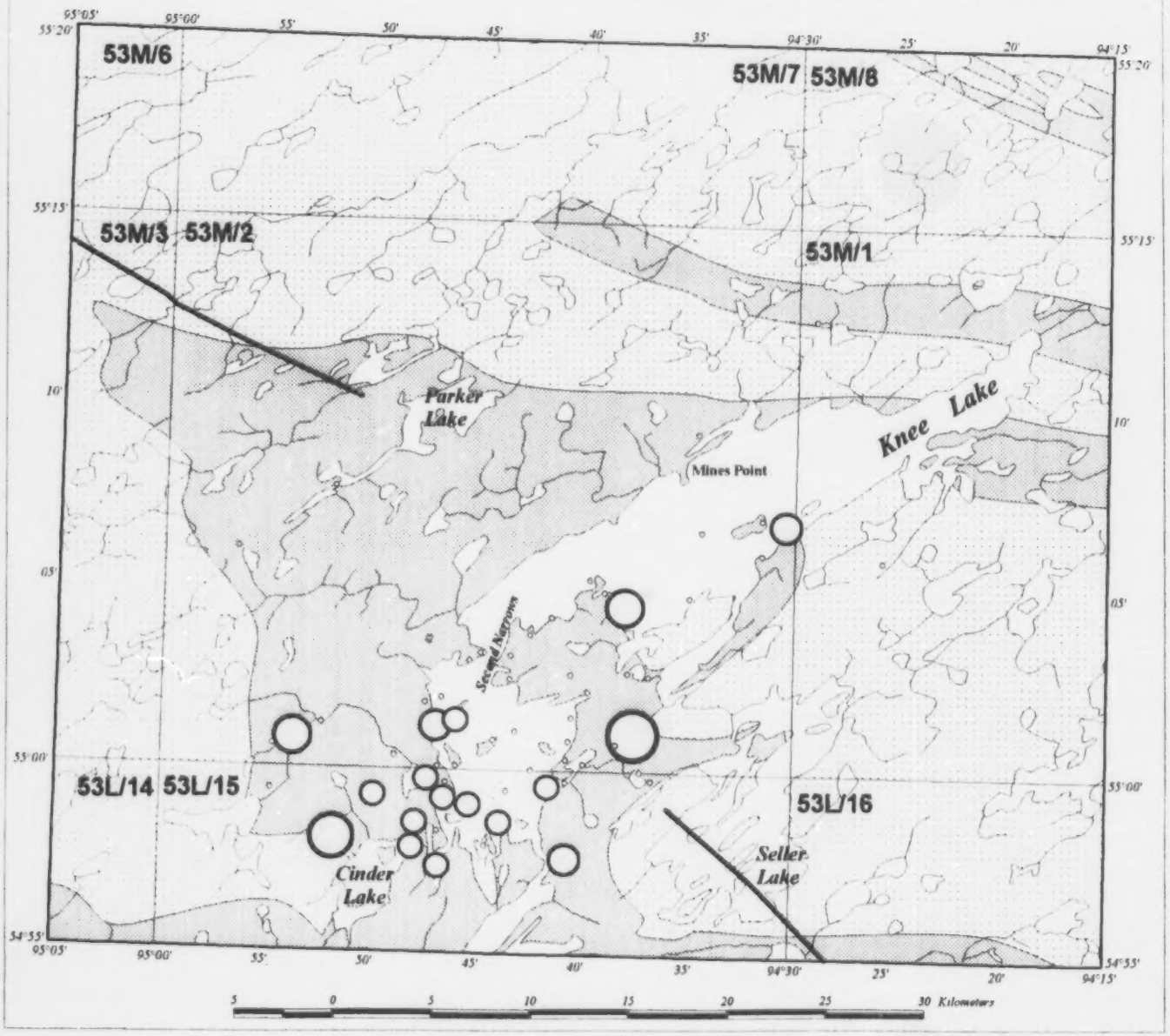
Outcrop Rock Chips 65 samples INAA

Appendix R-7-2



Outcrop Rock Chips 65 samples INAA

Appendix R-7-3



Legend

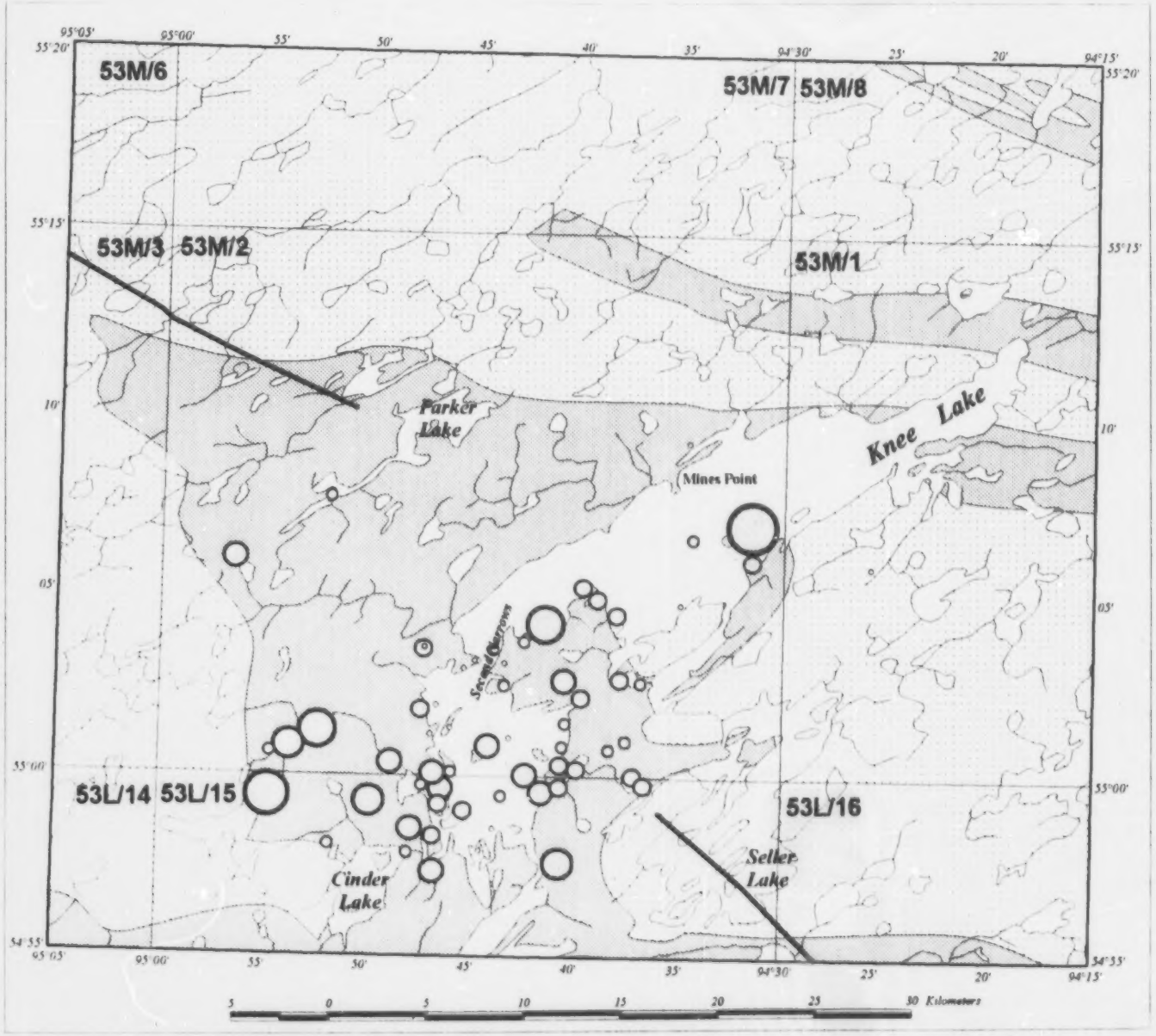
- Intrusive rocks
- Supracrustal rocks
- Dykes

Br (ppm)

- >1<=1 (75%tile)
- >1<=3 (90%tile)
- >4<=4 (95%tile)
- >5<=6 (98%tile)
- >6<=6 (99%tile)
- >9<=9 (100%tile)

Outcrop Rock Chips 65 samples INAA

Appendix R-7-4



Legend

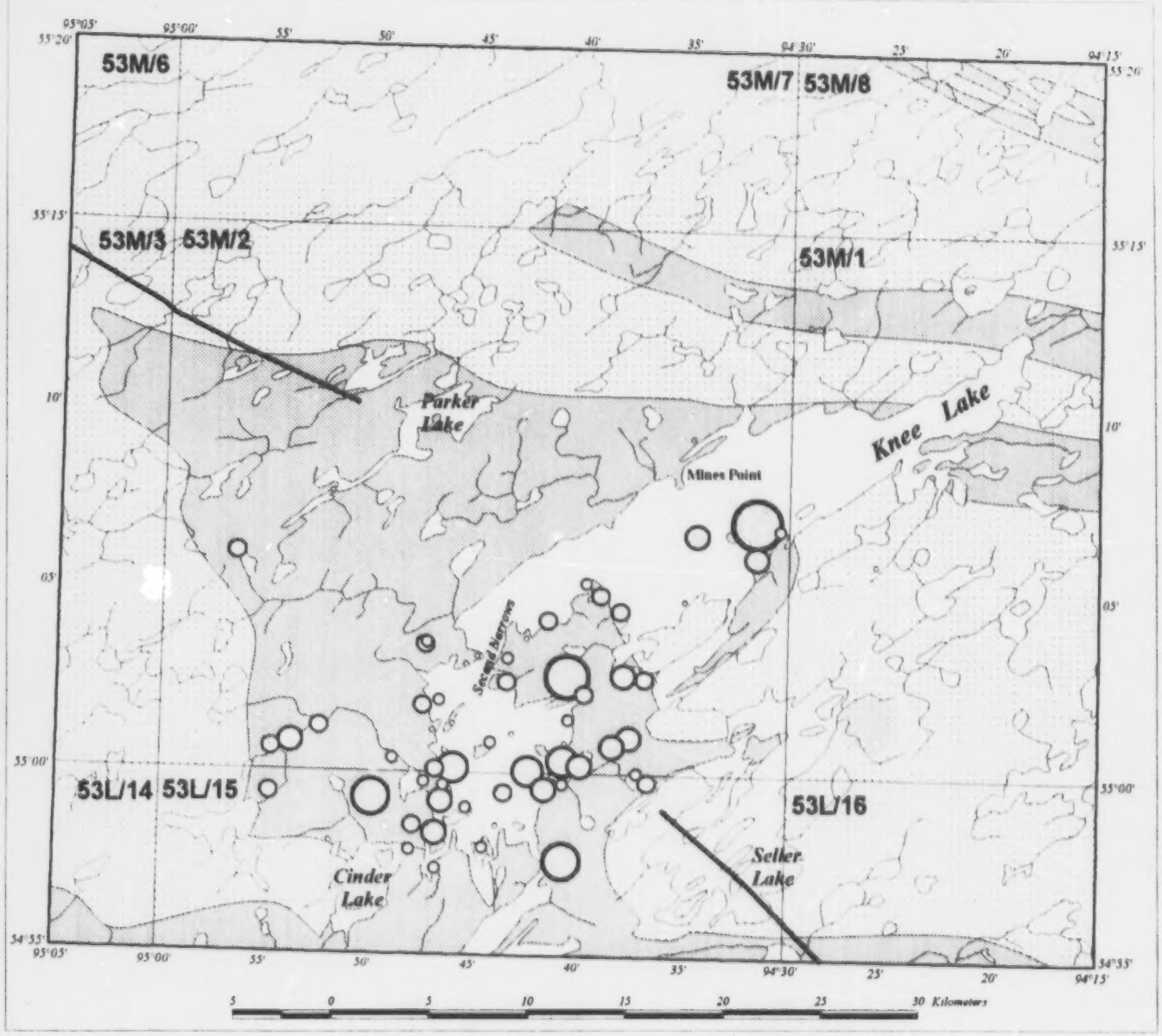
- Intrusive rocks
- Supracrustal rocks
- Dykes

Ca (wt.%)

- >0.3<=2.2 (25%tile)
- >2.3<=5.1 (50%tile)
- >5.2<=6.8 (75%tile)
- >7.1<=8.9 (90%tile)
- >9.2<=9.9 (95%tile)
- >10.2<=10.9 (98%tile)
- >11.1<=11.1 (99%tile)
- >14.3<=14.3 (100%tile)

Outcrop Rock Chips 65 samples INAA

Appendix R-7-5



Legend

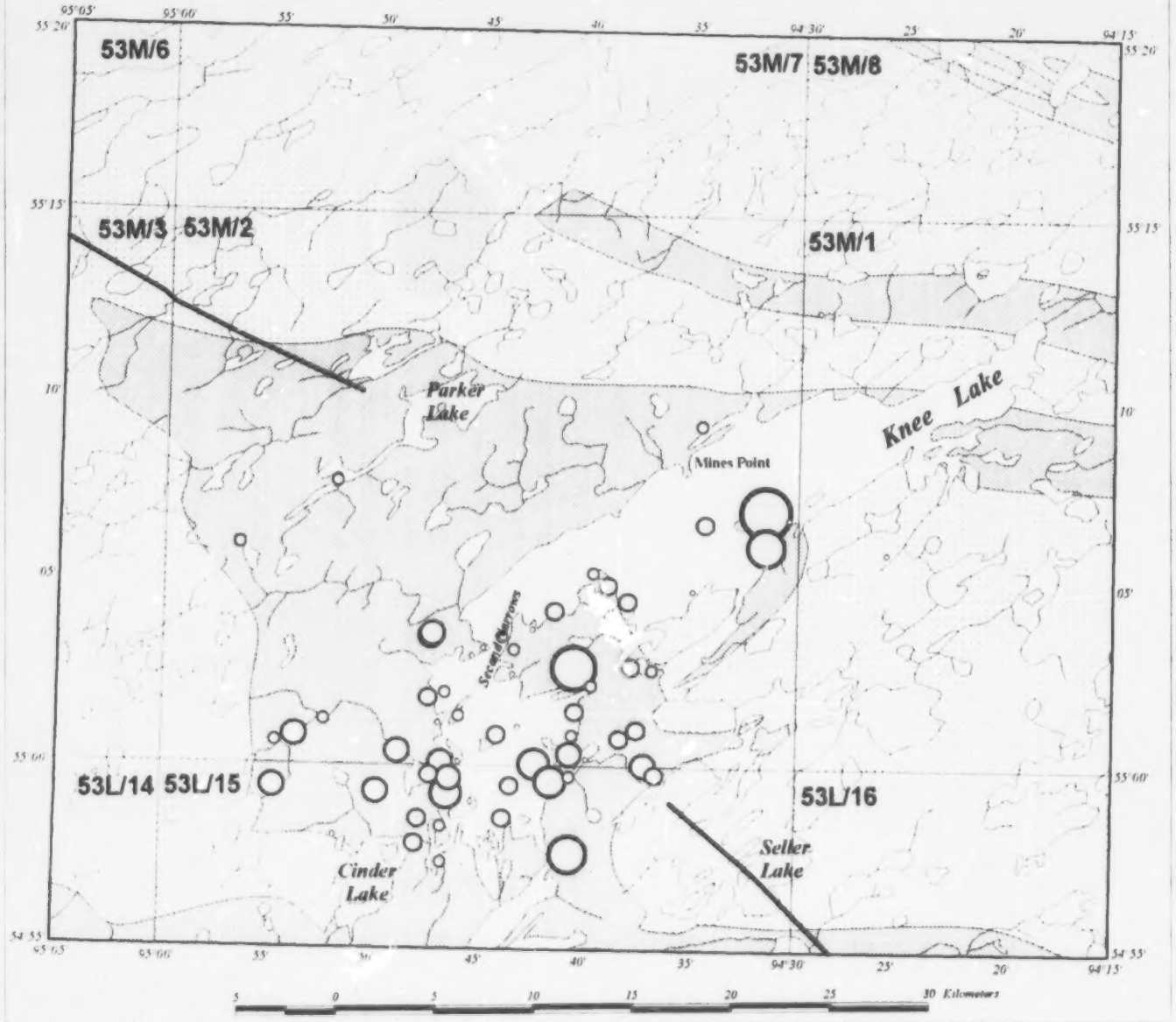
- Intrusive rocks
- Supracrustal rocks
- Dykes

Co (ppm)

- >3<=21 (25%tile)
- >25<=40 (50%tile)
- >41<=48 (75%tile)
- >48<=58 (90%tile)
- >60<=66 (95%tile)
- >66<=73 (98%tile)
- >83<=83 (99%tile)
- >104<=104 (100%tile)

Outcrop Rock Chips 65 samples INAA

Appendix R-7-6



Legend

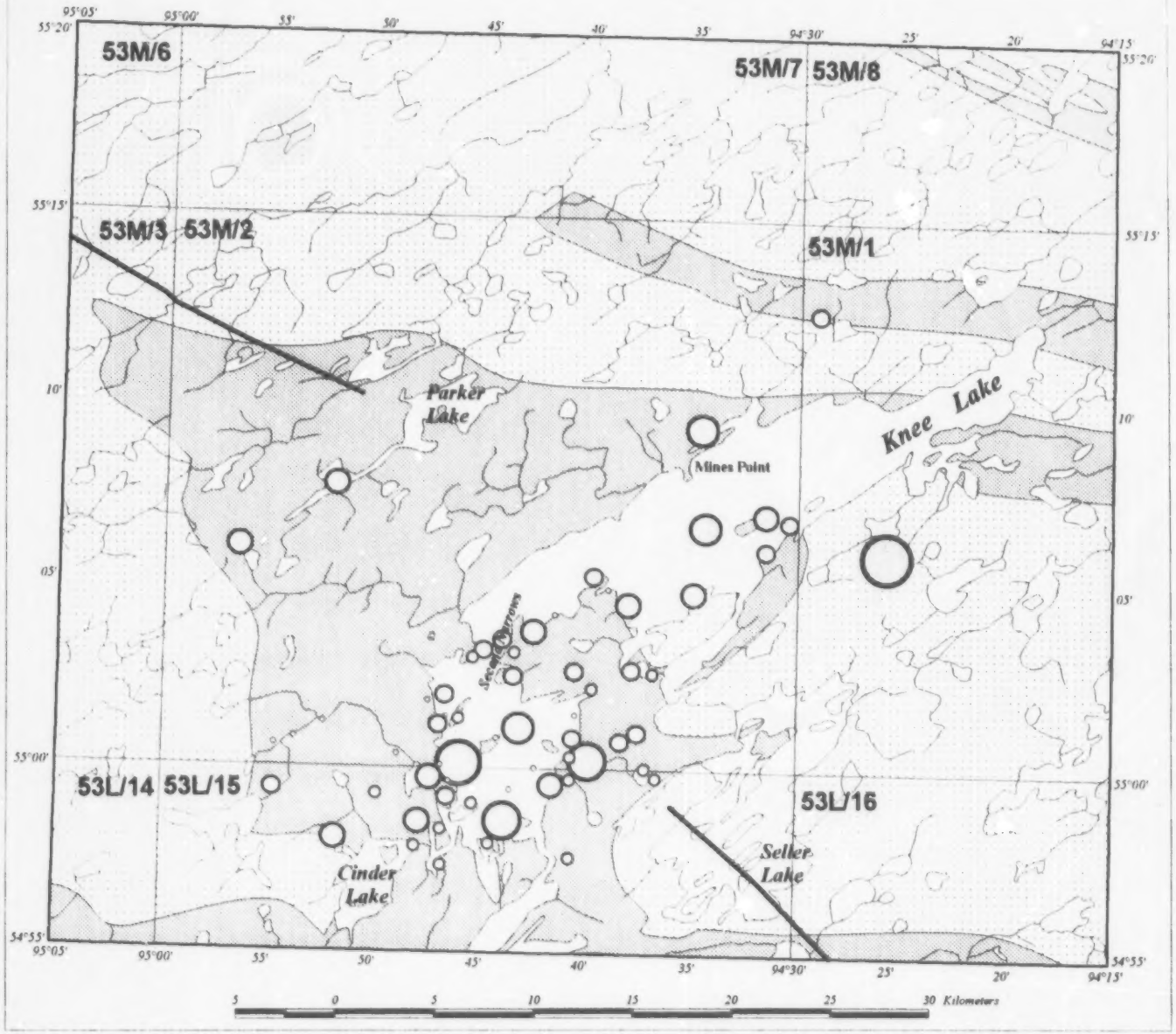
- Intrusive rocks
- Supracrustal rocks
- Dykes

Cr (ppm)

- >1<=64 (25%tile)
- >64<=172 (50%tile)
- >189<=287 (75%tile)
- >290<=366 (90%tile)
- >408<=587 (95%tile)
- >720<=1270 (98%tile)
- >1270<=1270 (99%tile)
- >1550<=1550 (100%tile)

Outcrop Rock Chips 65 samples INAA

Appendix R-7-7



Legend

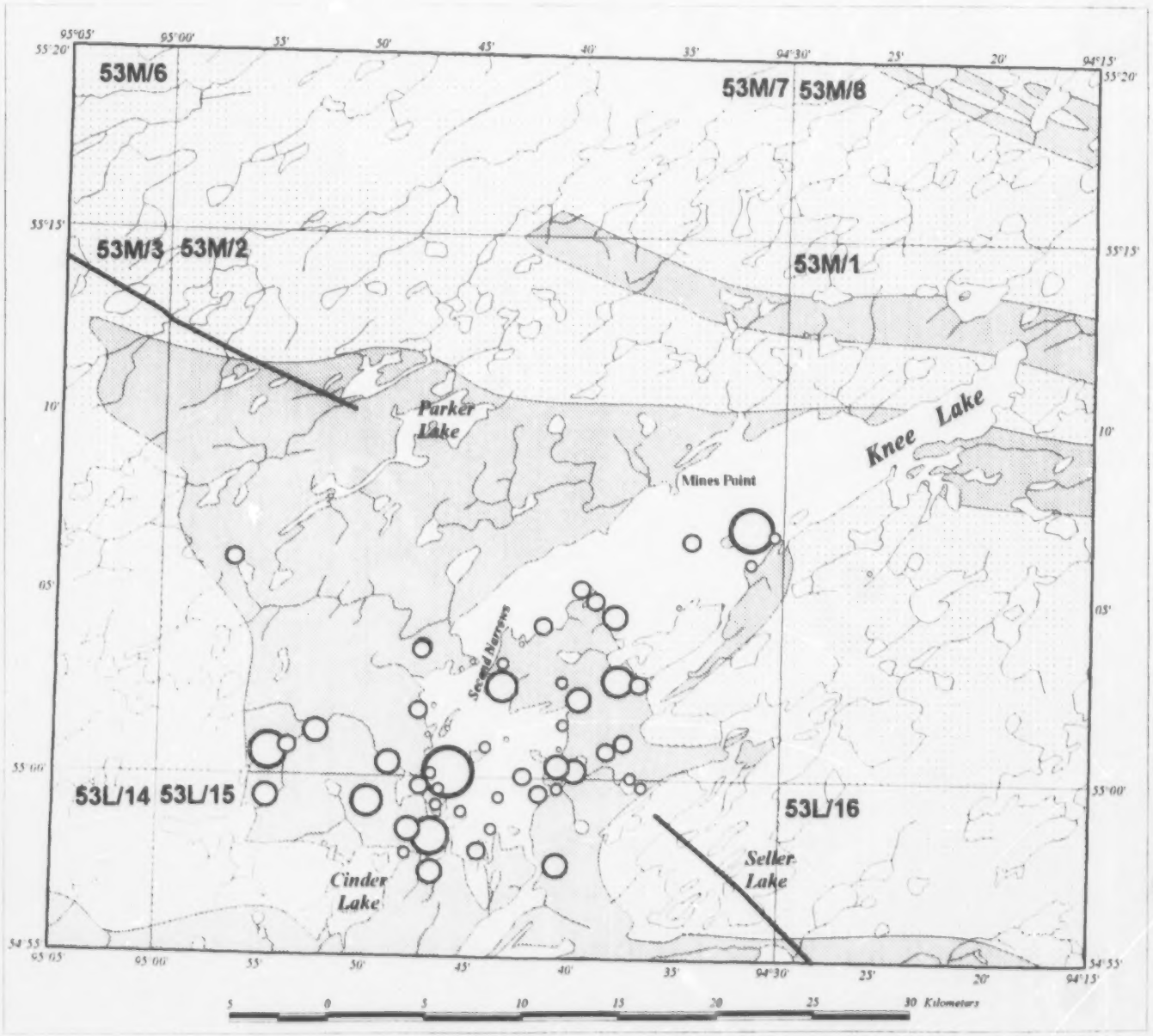
- Intrusive rocks
- Supracrustal rocks
- Dykes

Cs (ppm)

- >0.3<=0.3 (25%tile)
- >0.3<=0.5 (50%tile)
- >0.9<=1.9 (75%tile)
- >1.9<=3.6 (90%tile)
- >3.7<=4.7 (95%tile)
- >6.7<=7.1 (98%tile)
- >8.5<=8.5 (99%tile)
- >18.5<=18.5 (100%tile)

Outcrop Rock Chips 65 samples INAA

Appendix R-7-8



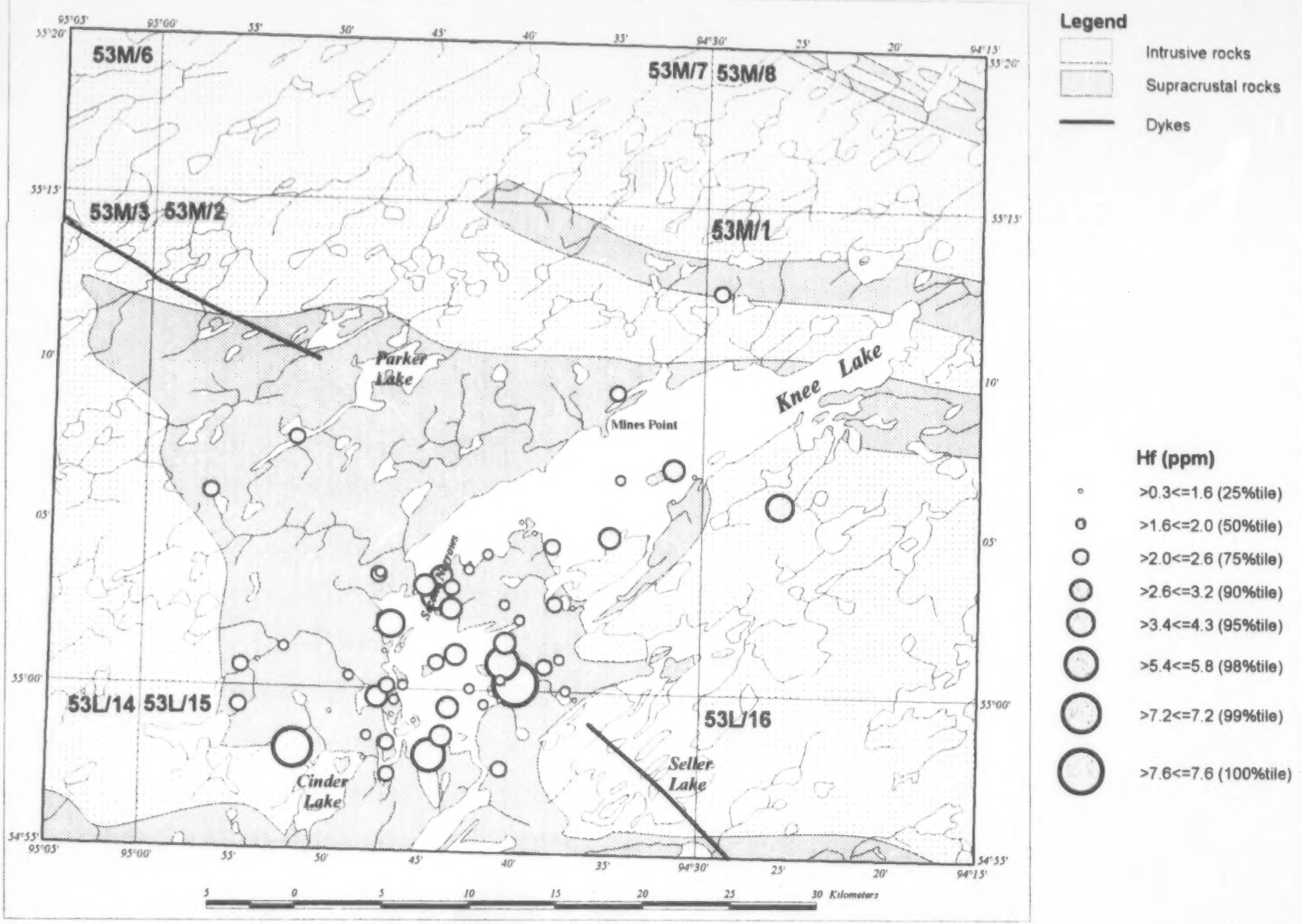
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

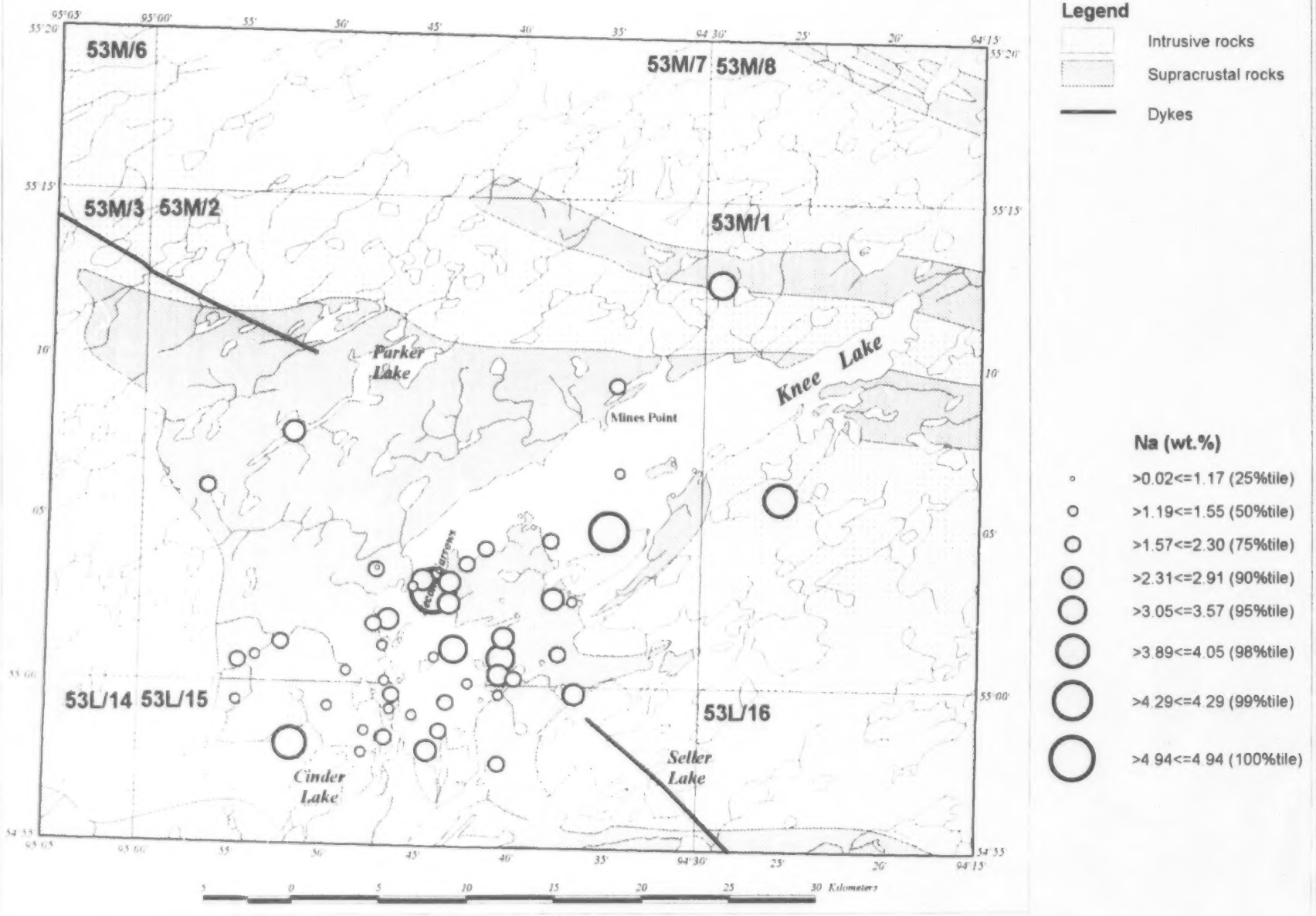
Fe (wt.%)

- >0.67<=4.15 (25%tile)
- >4.29<=7.13 (50%tile)
- >7.25<=8.71 (75%tile)
- >8.78<=10.10 (90%tile)
- >10.20<=10.70 (95%tile)
- >10.90<=12.10 (98%tile)
- >14.70<=14.70 (99%tile)
- >16.10<=16.10 (100%tile)

Outcrop Rock Chips 65 samples INAA

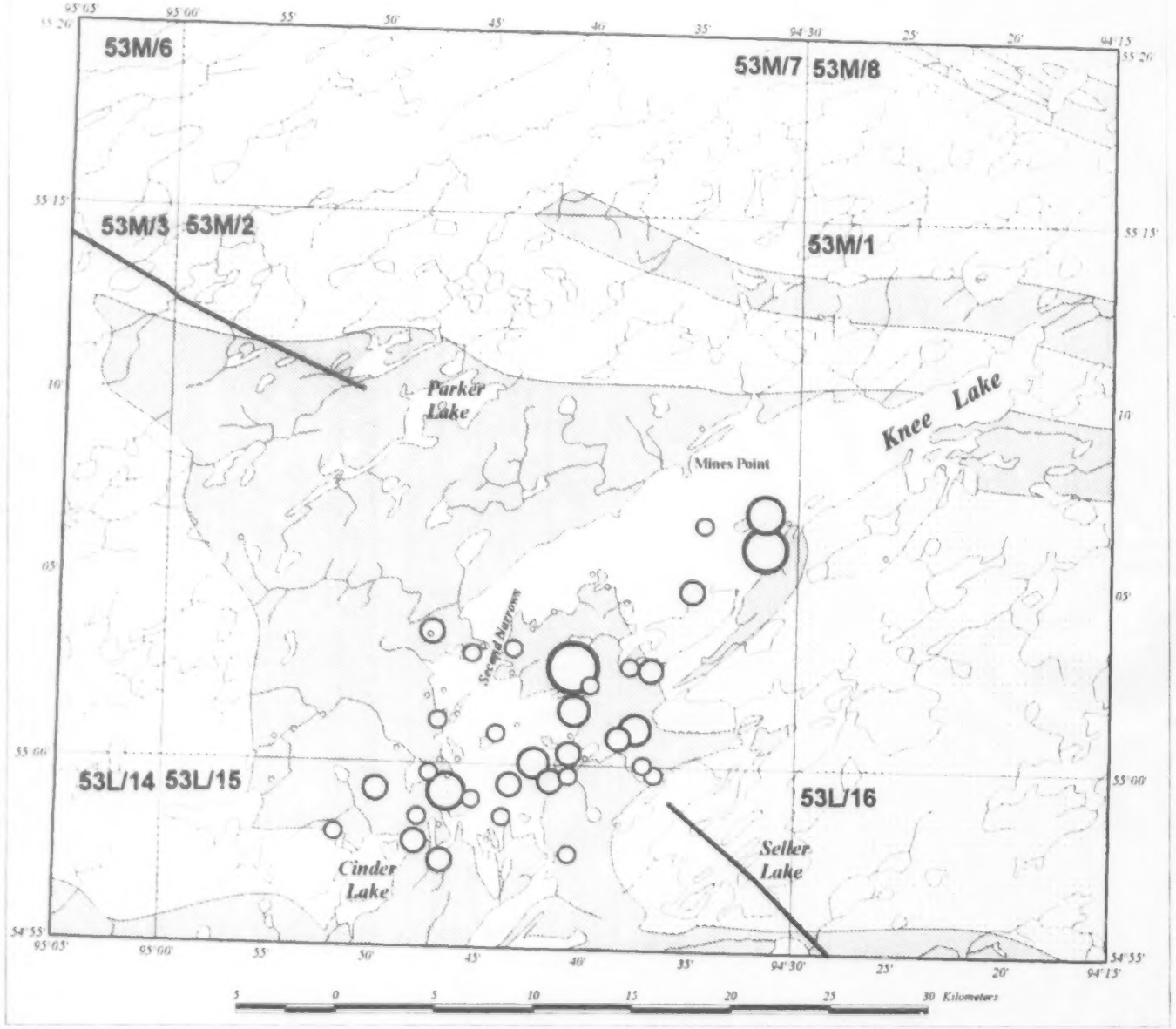


Outcrop Rock Chips 65 samples INAA



Outcrop Rock Chips 65 samples INAA

Appendix R-7-11



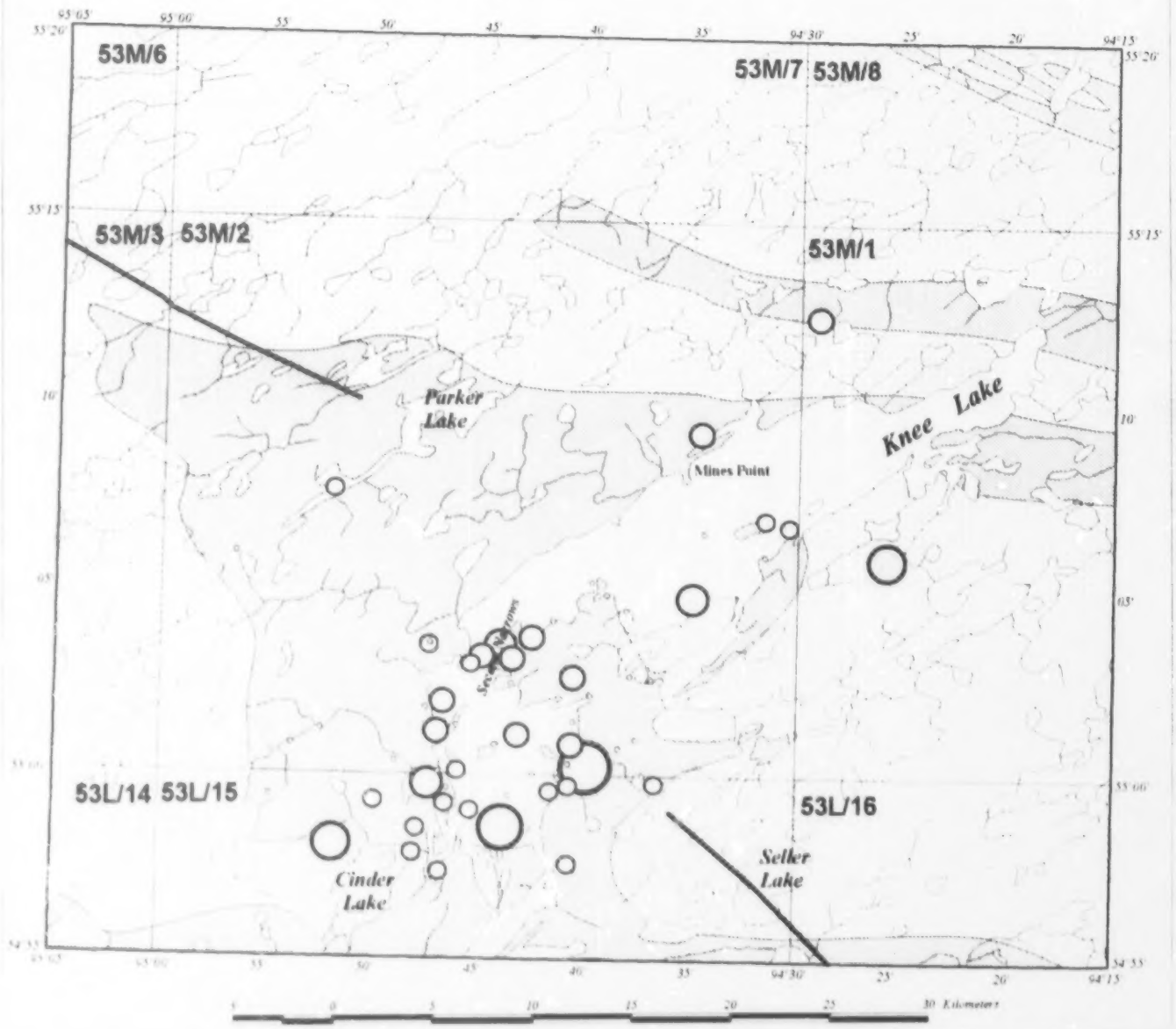
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Ni (ppm)

- >50<=50 (50%tile)
- >50<=110 (75%tile)
- >112<=199 (90%tile)
- >200<=210 (95%tile)
- >284<=344 (98%tile)
- >365<=365 (99%tile)
- >768<=768 (100%tile)

Outcrop Rock Chips 65 samples INAA



Legend

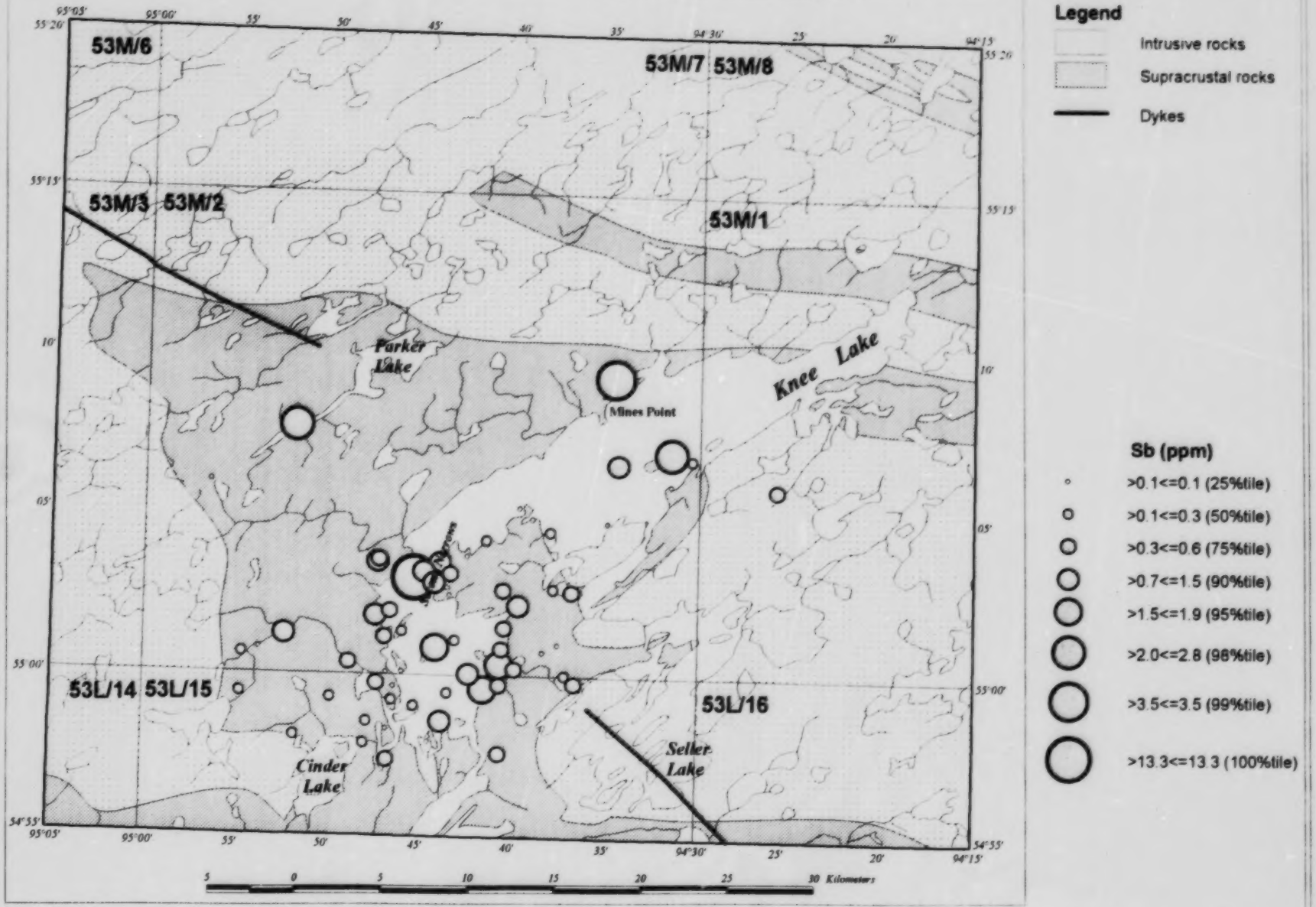
- Intrusive rocks
- Supracrustal rocks
- Dykes

Rb (ppm)

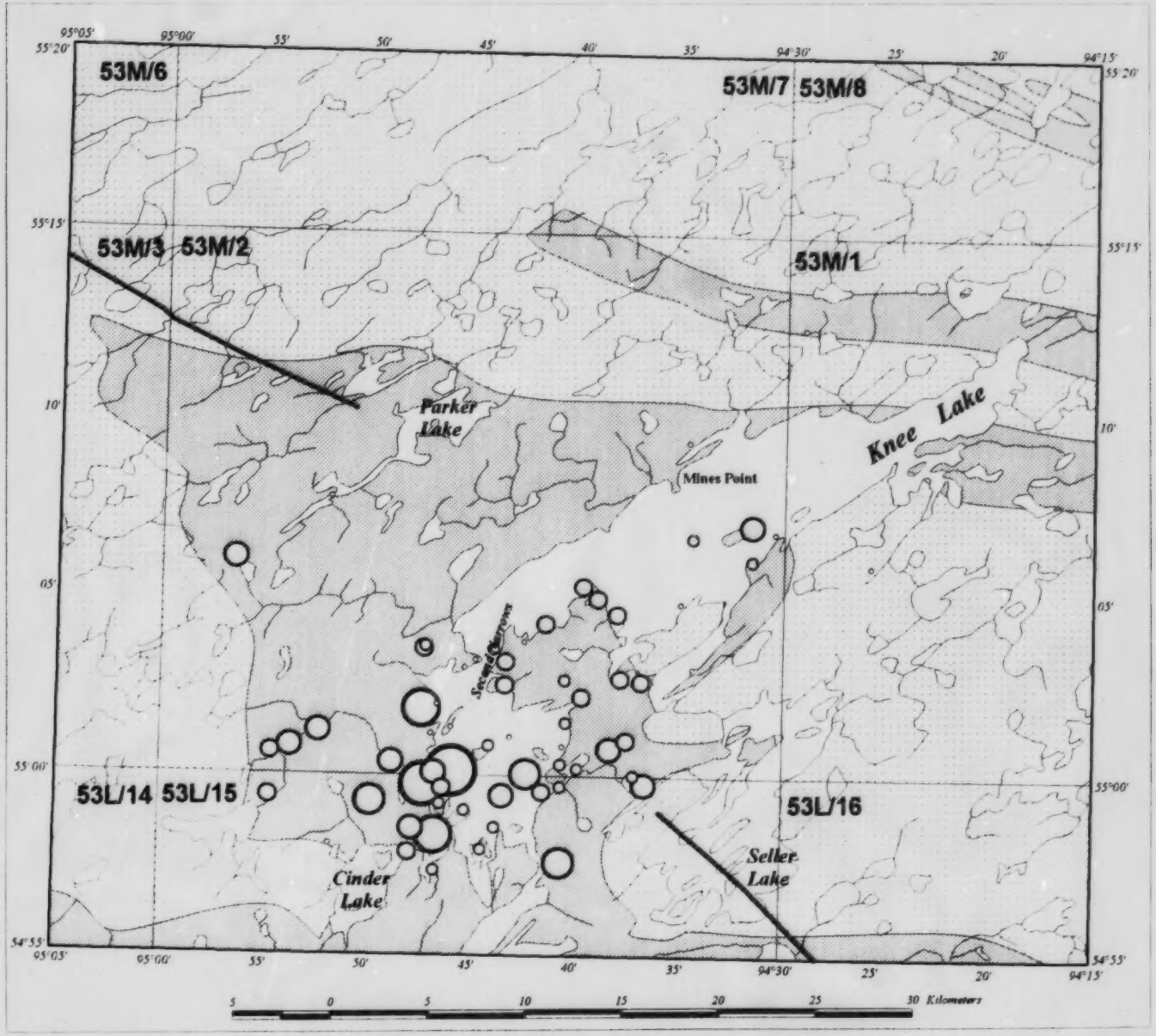
- >10<=10 (50%tile)
- >10<=40 (75%tile)
- >41<=71 (90%tile)
- >72<=95 (95%tile)
- >101<=110 (98%tile)
- >120<=120 (99%tile)
- >234<=234 (100%tile)

Outcrop Rock Chips 65 samples INAA

Appendix R-7-13



Outcrop Rock Chips 65 samples INAA



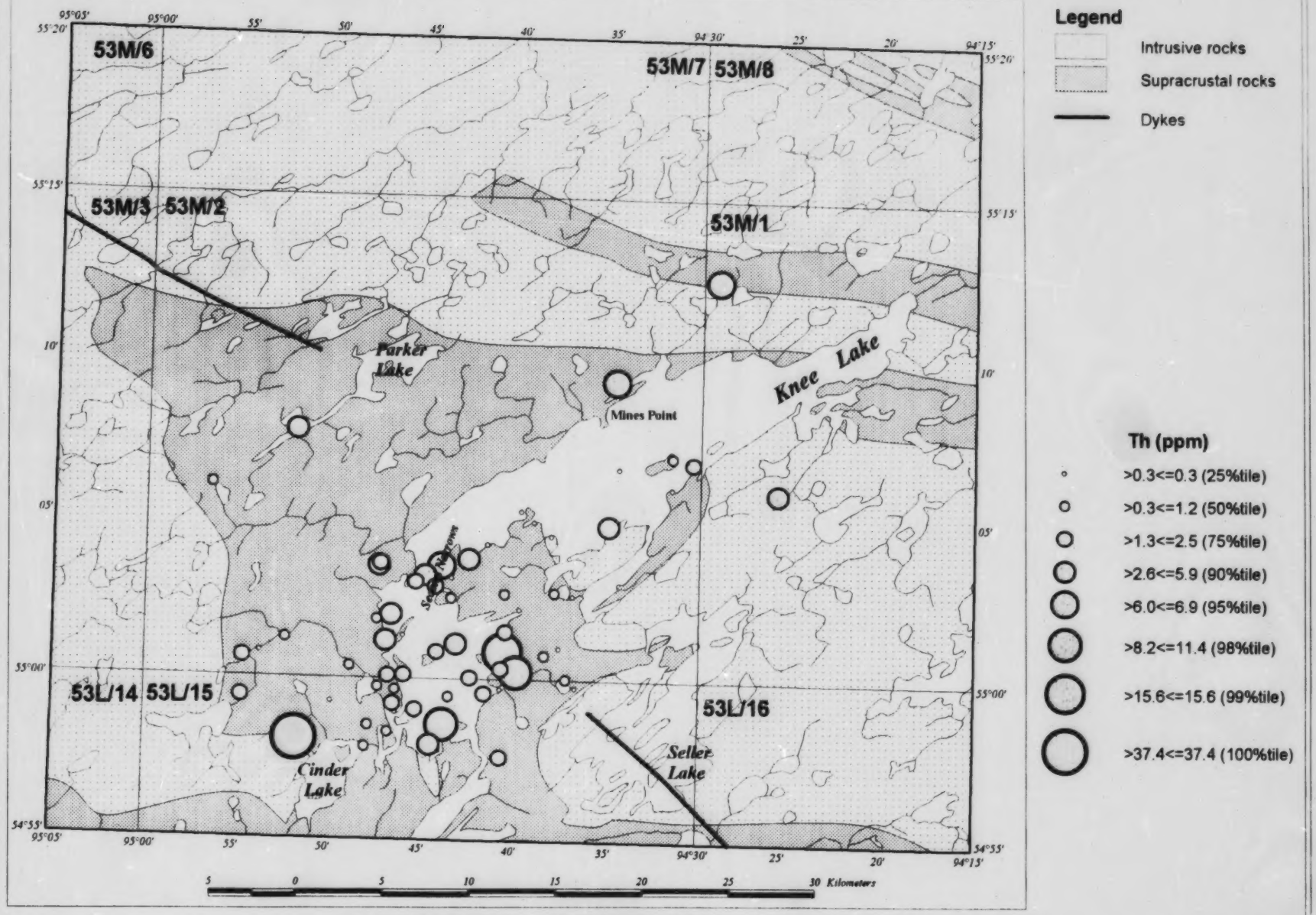
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Sc (ppm)

- >2.3<=15.0 (25%tile)
- >15.4<=34.0 (50%tile)
- >34.0<=40.3 (75%tile)
- >40.4<=45.9 (90%tile)
- >47.7<=48.0 (95%tile)
- >48.3<=48.4 (98%tile)
- >53.2<=53.2 (99%tile)
- >59.3<=59.3 (100%tile)

Outcrop Rock Chips 65 samples INAA



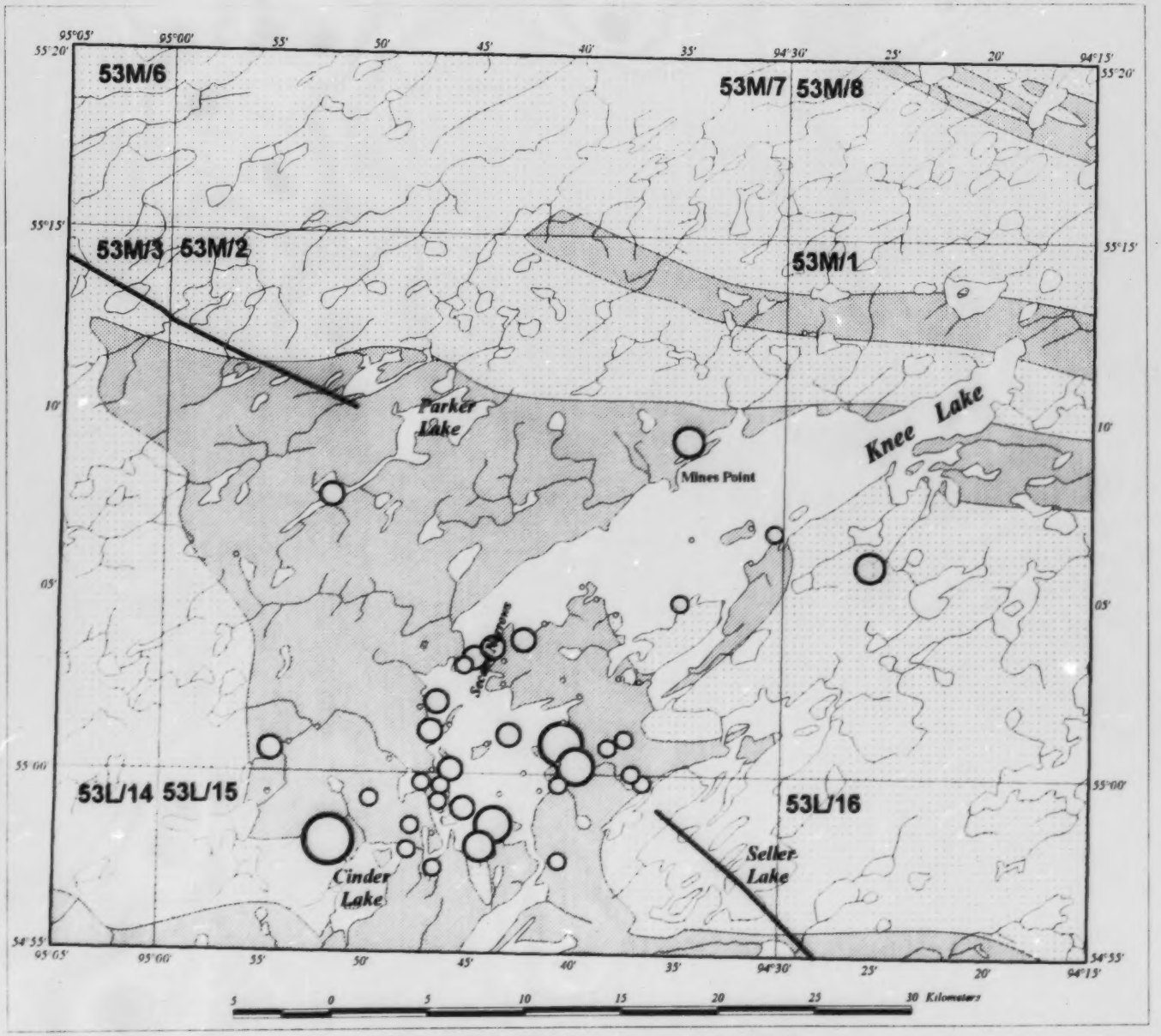
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Th (ppm)

- >0.3<=0.3 (25%tile)
- >0.3<=1.2 (50%tile)
- >1.3<=2.5 (75%tile)
- >2.6<=5.9 (90%tile)
- >6.0<=6.9 (95%tile)
- >8.2<=11.4 (98%tile)
- >15.6<=15.6 (99%tile)
- >37.4<=37.4 (100%tile)

Outcrop Rock Chips 65 samples INAA



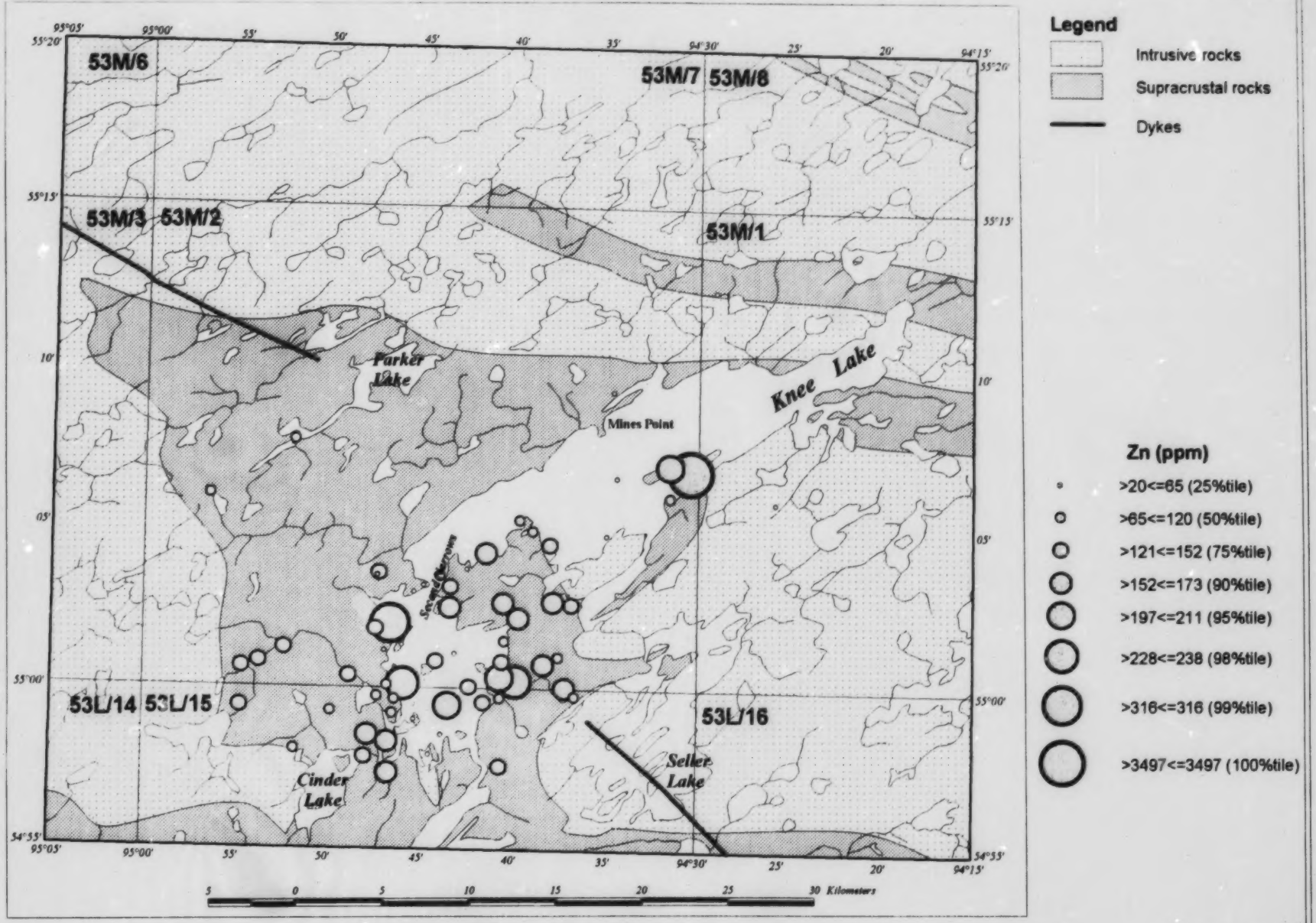
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

U (ppm)

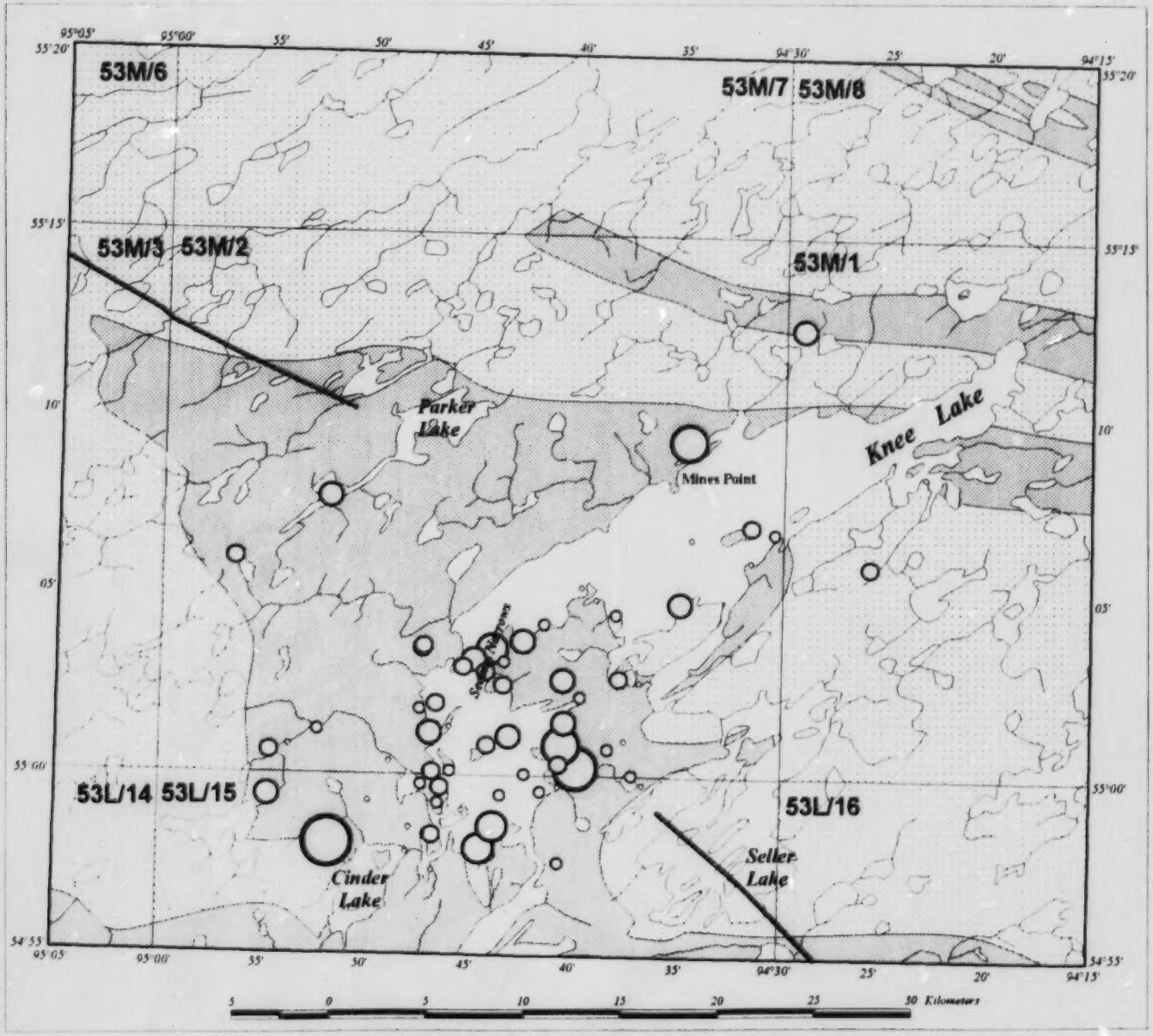
- >0.3<=0.3 (50%tile)
- >0.3<=0.8 (75%tile)
- >0.8<=1.6 (90%tile)
- >1.7<=2.0 (95%tile)
- >2.1<=3.1 (98%tile)
- >5.5<=5.5 (99%tile)
- >9.3<=9.3 (100%tile)

Outcrop Rock Chips 65 samples INAA



Outcrop Rock Chips 65 samples INAA

Appendix R-7-18



Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Total REE (ppm)

- >13.28<=25.53 (25%tile)
- >25.61<=38.69 (50%tile)
- >38.74<=56.79 (75%tile)
- >63.60<=93.08 (90%tile)
- >93.39<=116.68 (95%tile)
- >119.09<=185.05 (98%tile)
- >229.85<=229.85 (99%tile)
- >500.59<=500.59 (100%tile

Outcrop Rock Chips 65 samples INAA

TILL GEOCHEMICAL SURVEY

Methods

Field Methods

Till samples were collected from holes that were hand dug to bedrock, a maximum depth of about 1 m, or until relatively unoxidized c-horizon till was intersected. Till, or related sediment, was collected at 326 sites.

Of the 326 samples collected, 40 were not classified as till. Of the 40 samples that are not till, 20 are sand or sandy gravel of glaciofluvial origin, and 20 are sand taken from modern beaches.

Of the 326 pits dug, only 11 terminated on bedrock and, in 117 cases, the till was capped by chocolate brown, fine-textured, glaciolacustrine clay. Of the 117 clay-capped sites, only 21 were from the drumlinized terrain on the northwest side of Knee Lake, whereas the other 96 were from the nondrumlinized area on the east side of the north basin and the west side of the central basin. The till samples showed little evidence of near-surface weathering. Mixing of glaciolacustrine clay and till due to frost action is a common occurrence at the sites where clay caps the till.

Laboratory Methods

Two size fractions, a less than 2 µm (clay) fraction and a less than 63 µm (silt+clay) fraction, were prepared in the Rock Preparation Laboratory of Manitoba Industry, Trade and Mines. The less than 2 µm fraction was prepared following standard procedures of centrifuging and decanting. The less than 63 µm fraction was prepared by dry sieving on a 63 µm stainless-steel sieve. The less than 2 µm fraction was analyzed by ICP-AES (34-element suite). In addition, As was analyzed by hydride generation and Hg was analyzed by cold vapour. The less than 63 µm fraction was analyzed by INAA (Au plus 34-element suite). The sample preparation techniques and analytical procedures (including the analytical laboratories) were the same as those used in the first four years of this survey (Fedikow et al., 1997a, b, 1998, 1999 and 2000).

A separate 4 g split of the less than 63 µm fraction was submitted to the Geological Survey of Canada for carbonate analysis using the Chittick apparatus. The percent calcite, dolomite and total carbonate, as determined by the Chittick method, are available for the 1996, 1997, 1998 and 1999 northern Superior till samples (Fedikow and Nielsen, unpublished data).

Results

Clay fraction (less than 2 µm)

The results of the analysis on the less than 2 µm fraction of 301 till samples are listed in Appendix T-1. The results of analysis of duplicate sampies are listed in Appendix T-2 and the percentile bubble plots are presented in Appendix T-3. The elements displayed in the bubble plots are, with minor exceptions, the same as those reported in previous years.

Till samples collected from the drumlins on the northwest side of Knee Lake and along the southeast shore are slightly enriched in Ag compared to samples collected in the region around the central basin. The samples with elevated silver values on the southeast side of the lake possibly form a 15 km long anomaly parallel to the ice-flow direction.

Cu values are generally low but the highest values occur in the southeast, in the area of thin, nondrumlinized till. The distribution of Pb is similar to Ag and opposite to Cu, although the Pb levels west of the central part of the lake remain high. Samples collected between Seller Lake and Knee Lake are low in Pb despite the fact they were collected over basaltic bedrock.

Samples 293, 294, 317 and 329, collected along the contact between the tonalite and basalt on the northern edge of the greenstone belt, are slightly enriched in Zn. Sample 354, collected near the contact between the greywacke and tonalite at the northern edge of the area, is anomalous in Zn.

Mo is notably higher over the basaltic bedrock along the southeast side of Knee Lake, where values between 2 and 4 ppm are common. The distribution of elevated Mo is similar to that of Ag except that elevated Mo values extend for 30 km in the down-ice direction.

Ni values are generally low, but samples 293, 294, 317, 329 and 354 are slightly elevated and coincident with elevated Zn values.

As and Hg values are elevated on the northwest side and low on the southeast side of Knee Lake. The As and Hg were possibly derived from sedimentary rocks (greywacke and mudstone) in the northern part of the area.

Fe and V show very similar distributions across the area. High concentrations occur on the southeast side of Knee Lake, coincident with high Ag at sites 72, 77, 78, 82, 87, 89, 148, 152, 161 and 165.

Barium is anomalous in samples 77, 78, 80, 82, 86, 87, 88, 89, 152,154, 155, 162, 165 and 166, coincident with Ag, Mo, Fe, V and Cr. La, K, Sr, Ga, Li, Nb, Sc, Ti and Zr show the same prominent southwestern trending anomaly. The anomaly is strongest over the tonalite, but extends over granodiorite and basalt bedrock to the southwest.

S is high over the basaltic bedrock around the central basin of Knee Lake where the till is shallow. The high S values are coincident with an area of known sulphide mineralization. On the northwest side of the lake in the thick drumlin till, S values are low.

Silt+clay fraction (less than 63 µm)

Analytical data (INAA) for the silt+clay fraction are listed in Appendix T-4 and the duplicate analysis are listed in Appendix T-5. The percentile bubble plots are shown in Appendix T-6.

Au values are low and are considered to represent background.

Numerous samples on the south side of Knee Lake (72, 77, 78, 80, 82, 86, 87, 88, 89, 148, 152, 154, 155, 161, 162, 165, 166, 293, 294, 317, 329 and 354) define a prominent multi-element anomaly in Ba, Ca, Co, Cr, Ce, Fe, Mo, Na, Ni, Rb, Sb, Sc, Ta, Th, U and the total rare-earth elements (TREE). The anomaly is at least 35 km long and trends southwest parallel to the major ice-flow direction. Because the anomaly cuts across several bedrock types, the anomaly is thought to be a dispersion train emanating from near sample site 161 or to the north, outside the sampling area.

Carbonate content

The results of carbonate analysis are listed in Appendix T-7 and the percentile bubble plots are shown in Appendix T-8. The percent carbonate content of the till is an indicator of long-distance glacial transport from the Hudson Bay Lowland and postglacial weathering. A large component of the till matrix is allochthonous and was derived from the Paleozoic carbonate bedrock to the northeast. The calcite, dolomite and total carbonate contents of the samples are relatively uniform throughout the area. Calcite values are slightly higher between Seller Lake and Knee Lake in the area around the central part of Knee Lake. The slightly higher calcite in this region is believed to be due to the pervasive glaciolacustrine clay cover, which has minimized postglacial leaching.

Summary

Till in the northern Knee Lake area occurs primarily in the form of drumlins on the northwest side of the lake, and as a relatively thin, discontinuous till sheet on the southeast side of the lake. The drumlinized till is thicker and more continuous than the till sheet. The difference in till thickness has no apparent affect on the composition of the till.

Clearly, a large proportion of the till matrix is allochthonous and was derived from the Hudson Bay Lowland to the northeast. Despite this dilution, regional variations in the composition of the till are evident and several multisample, multi-element anomalies occur in the area.

A large, prominent till anomaly occurs on the south side of Knee Lake in both the clay-sized fraction and the silt+clay fraction. The anomaly is more than 35 km long and is interpreted to be a glacial dispersion train. The dispersion train probably originates near the northern end of Knee Lake, just outside the sampling area. This interpretation is favoured because the anomaly cuts across several lithological boundaries, is parallel to the main ice-flow direction, is more than 35 km long and is coincident with a kimberlite indicator-mineral dispersion train mapped in the same area (Fedikow et al., 2001a, b).

There may be some limitations on the interpretation of the 2000 till surveys in the northern half of the Knee Lake greenstone belt. Because of restricted sample collection to the east or southeast of the dispersion train, it is possible that the linear nature of this train is simply defining the pattern of sampling. This concern was addressed in the 2001 survey by sampling to define the eastern boundary of the observed dispersion train and to truncate or extend the dispersion train to the north in the up-ice direction.

ICP-AES, Hg (Cold Vapour - AAS) And As (Hydride Generation) Analyses For The <2 Micron Size Fraction (Clay Fraction) Of Till Samples.

Sample Site	UTM		Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Hg	Fe	Mn	Te	Ba	Cr
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
2000T-1	376811.59	6095036.00	0.1	33	6	82	1.0	42	16	1.0	2.5	2.5	2.5	0.118	4.56	489	5	139	79
2000T-2	377219.03	6094650.00	0.1	20	5	47	1.0	26	10	0.2	2.5	2.5	2.5	0.057	2.71	332	5	110	51
2000T-4	377113.03	6092150.50	0.1	32	10	56	1.0	25	11	0.4	2.5	6.0	2.5	0.041	2.64	502	5	109	44
2000T-6	380742.38	6092790.50	0.1	37	11	58	1.0	29	13	0.3	2.5	2.5	2.5	0.058	3.10	400	5	105	52
2000T-8	384794.28	6092294.50	0.1	42	9	76	0.5	43	17	0.1	2.5	2.5	2.5	0.101	4.41	475	5	138	77
2000T-9	384964.69	6093535.50	0.1	29	7	62	1.0	33	13	0.1	2.5	2.5	2.5	0.051	3.37	461	5	97	62
2000T-12	386406.75	6094751.50	0.1	33	7	61	0.5	32	14	0.1	2.5	2.5	2.5	0.069	3.25	450	5	99	60
2000T-13	382872.97	6094968.00	0.1	56	8	63	0.5	41	15	0.1	2.5	2.5	2.5	0.060	3.58	402	5	111	66
2000T-14	384536.25	6095146.50	0.1	30	6	72	0.5	34	13	0.1	2.5	2.5	2.5	0.048	4.16	363	5	123	68
2000T-15	385545.63	6095757.00	0.1	53	13	66	1.0	34	19	0.2	2.5	10.0	2.5	0.052	3.21	647	5	112	51
2000T-16-1 Analytical Duplicate	389243.59	6093479.00	0.1	25	6	25	2.0	18	7	0.3	2.5	2.5	2.5	0.048	1.38	191	5	72	27
2000T-16-2 Analytical Duplicate	389243.59	6093479.00	0.1	19	8	60	1.0	32	11	0.3	2.5	2.5	2.5	0.026	3.10	361	5	95	57
2000T-17	388099.72	6092595.00	0.1	36	10	58	0.5	37	14	0.1	2.5	5.0	2.5	0.085	4.16	422	5	135	70
2000T-18	386987.81	6092178.00	0.1	27	8	59	1.0	29	12	0.2	2.5	2.5	2.5	0.040	3.10	429	5	99	56
2000T-24	389871.75	6091013.50	0.1	31	5	68	0.5	36	15	0.1	2.5	2.5	2.5	0.053	4.15	481	5	118	71
2000T-25	388257.63	6091353.50	0.1	51	11	74	0.5	34	16	0.1	2.5	8.0	2.5	0.065	3.59	577	5	104	60
2000T-26	386632.31	6093907.50	0.1	42	11	48	2.0	21	9	0.2	2.5	7.0	2.5	0.034	2.39	310	5	92	39
2000T-27	387695.53	6094386.00	0.1	29	6	59	1.0	32	12	0.2	2.5	2.5	2.5	0.055	2.96	331	5	138	60
2000T-28	392562.69	6091566.00	0.1	49	6	63	0.5	35	13	0.1	2.5	6.0	2.5	0.065	3.48	366	5	113	66
2000T-29	392950.53	6094153.50	0.1	42	8	58	1.0	31	13	0.6	2.5	2.5	2.5	0.108	3.11	445	5	161	60
2000T-30	387156.56	6099410.50	0.1	28	8	55	1.0	30	13	0.3	2.5	2.5	2.5	0.058	2.86	399	5	106	54
2000T-31	386046.34	6098399.00	0.1	30	5	44	0.5	25	9	0.1	2.5	2.5	2.5	0.066	2.60	248	5	97	51
2000T-33	387468.13	6097904.00	0.1	25	8	73	0.5	40	16	0.3	2.5	2.5	2.5	0.039	3.75	506	5	104	67
2000T-34	387794.94	6101729.00	0.1	27	7	61	0.5	36	15	0.2	2.5	5.0	2.5	0.084	3.36	403	5	128	68
2000T-35-1 Analytical Duplicate	386267.97	6101746.50	0.1	24	7	36	1.0	21	8	0.2	2.5	2.5	2.5	0.045	2.14	273	5	86	40
2000T-35-2 Analytical Duplicate	386267.97	6101746.50	0.1	32	7	61	0.5	35	14	0.1	2.5	10.0	2.5	0.067	3.48	379	5	110	64
2000T-36	385510.63	6100612.00	0.1	30	8	58	0.5	28	13	0.1	2.5	2.5	2.5	0.043	3.17	518	5	100	53
2000T-37	394285.81	6088654.00	0.1	27	8	68	0.5	34	14	0.2	2.5	2.5	2.5	0.033	3.47	481	5	117	69
2000T-38	394987.06	6089686.50	0.1	29	8	65	1.0	35	14	0.3	2.5	2.5	2.5	0.042	3.38	519	5	114	64
2000T-39	394829.91	6093366.00	0.1	39	15	56	1.0	26	11	0.3	2.5	6.0	2.5	0.046	2.67	438	5	117	51
2000T-40	396930.69	6095529.50	0.1	26	5	68	1.0	37	14	0.1	2.5	2.5	2.5	0.043	3.73	374	5	122	72
2000T-41	397175.34	6096765.50	0.1	29	4	58	1.0	30	12	0.1	2.5	2.5	2.5	0.027	3.23	406	5	146	60
2000T-42	392622.44	6095510.50	0.1	43	7	71	0.5	36	15	0.2	2.5	5.0	2.5	0.045	3.53	422	5	120	69
2000T-43	399444.06	6096834.00	0.1	43	9	70	1.0	36	15	0.3	2.5	6.0	2.5	0.072	3.31	549	5	116	68
2000T-44	396369.22	6096019.00	0.1	31	6	59	1.0	30	12	0.3	2.5	5.0	2.5	0.045	2.67	444	5	109	55
2000T-45	395159.84	6097386.00	0.1	146	7	68	1.0	56	15	0.6	2.5	6.0	2.5	0.084	3.52	550	5	142	69
2000T-46	396015.28	6097819.50	0.1	123	6	59	0.5	57	13	0.1	2.5	2.5	2.5	0.042	3.23	384	5	122	65
2000T-47	396755.06	6096921.50	0.1	51	5	68	0.5	47	15	0.1	2.5	2.5	2.5	0.081	3.97	332	5	162	93
2000T-48	395938.59	6099589.00	0.1	27	6	61	0.5	30	12	0.2	2.5	2.5	2.5	0.028	3.01	368	5	154	62
2000T-49	396828.66	6100814.00	0.1	33	6	70	0.5	40	17	0.1	2.5	2.5	2.5	0.034	3.54	723	5	132	72

Sample Site	UTM		Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Hg	Fe	Mn	Te	Ba	Cr
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
2000T-50	394790.84	6100997.50	0.1	36	8	74	0.5	42	17	0.2	2.5	2.5	2.5	0.103	4.33	462	5	146	81
2000T-51	393755.47	6100100.50	0.1	24	3	77	0.5	39	15	0.1	2.5	2.5	2.5	0.048	4.17	381	5	131	82
2000T-52	400768.63	6096955.50	0.1	28	7	92	0.5	43	17	0.3	2.5	2.5	2.5	0.024	3.61	433	5	101	79
2000T-53-1 Analytical Duplicate	399544.66	6095816.50	0.1	42	8	61	1.0	36	13	0.2	2.5	2.5	2.5	0.058	3.17	347	5	120	74
2000T-53-2 Analytical Duplicate	399544.66	6095816.50	0.1	49	8	57	1.0	61	13	0.2	2.5	2.5	2.5	0.061	2.91	409	5	126	69
2000T-54	402068.50	6097093.50	0.1	32	8	51	1.0	27	13	0.3	2.5	10.0	2.5	0.044	2.50	474	5	132	51
2000T-55	390952.91	6099942.50	0.1	37	6	55	0.5	29	12	0.3	2.5	2.5	2.5	0.064	2.75	350	5	127	57
2000T-56	397265.06	6103193.00	0.1	44	9	80	0.5	45	19	0.3	2.5	2.5	2.5	0.057	3.48	453	5	124	71
2000T-57	395006.56	6102457.50	0.1	37	8	62	1.0	29	15	0.1	2.5	8.0	2.5	0.042	3.03	540	5	131	57
2000T-58	395716.94	6102027.50	0.1	40	10	69	1.0	32	14	0.3	2.5	6.0	2.5	0.044	3.00	462	5	119	59
2000T-60	395773.38	6101007.00	0.1	43	10	64	0.5	34	14	0.1	2.5	2.5	2.5	0.056	3.34	525	5	113	62
2000T-61	392900.03	6100991.00	0.1	59	7	51	1.0	100	13	0.1	2.5	5.0	2.5	0.065	2.65	302	5	129	74
2000T-62	389885.03	6101959.00	0.1	45	9	67	0.5	35	14	0.1	2.5	2.5	2.5	0.065	3.37	475	5	151	66
2000T-64	392280.47	6100523.00	0.1	28	6	61	2.0	32	13	0.5	2.5	2.5	2.5	0.034	2.90	396	5	88	60
2000T-65	393553.56	6099419.00	0.1	25	6	57	1.0	31	12	0.3	2.5	2.5	2.5	0.047	2.69	367	5	95	55
2000T-66	394714.06	6096812.00	0.1	17	4	39	2.0	21	8	0.3	2.5	2.5	2.5	0.039	1.87	240	5	92	43
2000T-67	397742.78	6100050.50	0.1	23	4	53	1.0	29	12	0.1	2.5	2.5	2.5	0.033	2.55	347	5	123	57
2000T-68	399084.13	6101491.00	0.1	23	4	52	0.5	27	10	0.1	2.5	2.5	2.5	0.029	2.54	289	5	118	53
2000T-69-1 Analytical Duplicate	398290.31	6099503.50	0.1	28	5	51	2.0	25	10	0.2	2.5	2.5	2.5	0.033	2.32	330	5	120	51
2000T-69-2 Analytical Duplicate	398290.31	6099503.50	0.1	26	6	52	1.0	25	11	0.2	2.5	2.5	2.5	0.035	2.41	358	5	121	50
2000T-71	399944.16	6103230.00	0.1	32	8	65	0.5	32	14	0.3	2.5	2.5	2.5	0.048	2.95	487	5	106	57
2000T-72	402259.69	6104161.50	0.1	28	6	82	0.5	42	17	0.1	2.5	2.5	2.5	0.033	4.19	491	5	146	80
2000T-73	402783.03	6105930.50	0.1	34	8	86	0.5	46	19	0.2	2.5	2.5	2.5	0.074	3.88	573	5	122	76
2000T-74	404843.22	6106167.00	0.1	38	9	78	1.0	37	16	0.2	2.5	2.5	2.5	0.058	3.40	517	5	112	65
2000T-75	404345.91	6107971.00	0.1	23	7	57	1.0	30	12	0.2	2.5	2.5	2.5	0.045	2.70	329	5	97	57
2000T-76-1 Analytical Duplicate	405489.13	6108952.50	0.1	31	5	60	3.0	34	14	0.1	2.5	2.5	2.5	0.043	3.31	357	5	159	70
2000T-76-2 Analytical Duplicate	405489.13	6108952.50	0.1	33	4	58	1.0	33	13	0.1	2.5	2.5	2.5	0.044	3.19	358	5	168	66
2000T-77	407618.00	6108196.00	0.1	37	5	82	0.5	41	18	0.1	2.5	2.5	2.5	0.018	4.66	540	5	198	76
2000T-78	409199.56	6108708.50	0.1	24	5	81	0.5	44	17	0.1	2.5	2.5	2.5	0.022	4.64	454	5	188	82
2000T-79	408686.88	6110003.50	0.1	28	8	65	2.0	32	14	0.1	2.5	2.5	2.5	0.035	2.95	498	5	136	59
2000T-80	409780.19	6109958.00	0.1	28	7	64	0.5	36	16	0.5	2.5	2.5	2.5	0.050	4.56	464	5	202	71
2000T-81	410936.50	6109974.50	0.1	34	7	62	1.0	32	14	0.3	2.5	6.0	2.5	0.046	3.03	520	5	128	58
2000T-82	410200.44	6108716.00	0.1	38	7	80	0.5	43	19	0.1	2.5	2.5	2.5	0.023	4.94	613	5	241	80
2000T-83	408701.53	6106066.50	0.1	32	9	65	1.0	31	14	0.3	2.5	2.5	2.5	0.036	3.09	450	5	138	60
2000T-84	393512.25	6096425.00	0.1	41	9	68	0.5	33	15	0.4	2.5	5.0	2.5	0.040	2.99	441	5	141	64
2000T-85	402062.69	6103060.50	0.1	35	8	71	1.0	36	15	0.2	2.5	2.5	2.5	0.064	3.51	449	5	129	65
2000T-86	405613.66	6106052.00	0.1	31	5	72	0.5	34	14	0.1	2.5	2.5	2.5	0.026	3.64	408	5	184	64
2000T-87	406394.53	6105961.00	0.1	32	3	76	0.5	44	17	0.1	2.5	2.5	2.5	0.045	4.63	402	5	225	85
2000T-88	406650.31	6108446.50	0.1	45	9	84	2.0	48	20	0.3	2.5	2.5	2.5	0.046	3.72	691	5	215	69
2000T-89	408752.84	6106602.00	0.1	27	10	63	0.5	37	17	0.1	2.5	2.5	2.5	0.021	3.93	463	5	175	75
2000T-90	391117.84	6091481.50	0.1	63	14	92	1.0	45	26	0.3	2.5	9.0	2.5	0.078	3.75	857	5	140	69
2000T-91	390579.66	6092302.50	0.1	26	7	46	1.0	26	12	0.3	2.5	5.0	2.5	0.052	2.46	417	5	134	49
2000T-93	389781.91	6092662.00	0.1	24	6	47	1.0	25	11	0.3	2.5	2.5	2.5	0.031	2.38	332	5	105	49
2000T-94	389081.13	6092532.00	0.1	34	8	70	0.5	44	16	0.1	2.5	6.0	2.5	0.061	3.46	448	5	132	72
2000T-96	386122.09	6093126.50	0.1	27	7	46	0.5	25	12	0.2	2.5	5.0	2.5	0.033	2.37	362	5	97	46
2000T-97	385659.50	6094922.00	0.1	68	12	78	0.5	43	29	0.2	2.5	6.0	2.5	0.135	4.14	595	5	166	82
2000T-98	390172.91	6093525.00	0.1	40	7	57	1.0	35	14	0.1	2.5	8.0	2.5	0.087	2.87	422	5	98	59
2000T-99	391068.38	6094189.00	0.1	31	9	98	0.5	51	21	0.3	2.5	2.5	2.5	0.024	4.51	375	5	158	83
2000T-100	390771.78	6095004.00	0.1	23	7	61	2.0	32	13	0.7	2.5	6.0	2.5	0.052	2.40	455	5	102	53

Sample Site	UTM		Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Hg	Fe	Mn	Te	Ba	Cr
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
2000T-101	393612.16	6097352.00	0.1	38	10	92	0.5	53	23	0.3	2.5	2.5	2.5	0.035	4.45	405	5	174	99
2000T-102-1 Analytical Duplicate	392650.41	6096653.00	0.1	26	8	42	1.0	26	9	0.3	2.5	6.0	2.5	0.051	2.05	222	5	109	53
2000T-102-2 Analytical Duplicate	392650.41	6096653.00	0.1	32	6	47	1.0	32	10	0.2	2.5	6.0	2.5	0.083	2.46	255	5	112	63
2000T-104	390131.41	6099288.50	0.1	31	9	58	1.0	33	13	0.3	2.5	2.5	2.5	0.044	2.50	383	5	114	55
2000T-106	388754.06	6100689.00	0.1	29	7	66	0.5	37	16	0.1	2.5	2.5	2.5	0.037	2.90	427	5	131	61
2000T-107	388936.94	6101455.50	0.1	19	8	42	1.0	22	10	0.2	2.5	2.5	2.5	0.032	1.83	317	5	77	41
2000T-108	385521.41	6099638.00	0.1	27	5	39	1.0	24	8	0.1	2.5	5.0	2.5	0.055	1.97	255	5	105	45
2000T-109	386132.81	6096368.00	0.1	35	7	57	1.0	28	11	0.1	2.5	2.5	2.5	0.041	2.47	356	5	96	51
2000T-110	386549.38	6095571.00	0.1	44	5	76	0.5	42	15	0.1	2.5	5.0	2.5	0.053	3.65	383	5	122	77
2000T-112	392762.47	6099792.50	0.1	63	7	70	1.0	43	14	0.2	2.5	6.0	2.5	0.030	3.22	423	5	110	72
2000T-113	392921.88	6098805.00	0.1	29	5	63	0.5	35	12	0.1	2.5	2.5	2.5	0.036	2.89	359	5	108	65
2000T-114	392777.34	6097588.00	0.1	30	9	46	2.0	21	8	0.3	2.5	2.5	2.5	0.032	1.91	259	5	120	40
2000T-115	391675.25	6095251.50	0.1	37	6	69	0.5	38	15	0.2	2.5	6.0	2.5	0.044	3.11	425	5	127	67
2000T-116	389621.63	6095117.50	0.1	53	7	78	0.5	45	16	0.3	2.5	5.0	2.5	0.051	3.17	471	5	109	63
2000T-117	390853.22	6096177.00	0.1	13	5	22	2.0	14	5	0.2	2.5	2.5	2.5	0.036	1.08	166	5	74	27
2000T-118	391438.41	6097052.00	0.1	30	6	69	1.0	33	13	0.6	2.5	2.5	2.5	0.045	2.91	392	5	119	63
2000T-119	387047.13	6096397.00	0.1	24	5	63	1.0	31	12	0.2	2.5	2.5	2.5	0.034	2.70	404	5	107	59
2000T-120	388195.31	6096944.00	0.1	34	10	65	1.0	30	14	0.3	2.5	2.5	2.5	0.061	2.91	530	5	95	52
2000T-121	388949.72	6097695.50	0.1	31	8	59	0.5	29	12	0.3	2.5	5.0	2.5	0.030	2.54	419	5	118	51
2000T-122	390079.06	6098127.00	0.1	25	9	54	1.0	30	11	0.3	2.5	5.0	2.5	0.030	2.57	354	5	121	55
2000T-124	391713.34	6098945.50	0.1	35	7	76	1.0	38	14	0.1	2.5	2.5	2.5	0.036	3.04	380	5	110	65
2000T-125	388349.84	6102123.50	0.1	24	7	59	1.0	33	13	0.2	2.5	2.5	2.5	0.040	2.77	454	5	121	60
2000T-126	389293.28	6102642.00	0.1	26	6	47	2.0	26	10	0.3	2.5	2.5	2.5	0.033	2.30	288	5	105	51
2000T-127	390127.16	6103821.50	0.1	84	9	68	1.0	38	17	0.1	2.5	7.0	2.5	0.063	2.99	469	5	112	61
2000T-128	390869.06	6103009.00	0.1	40	8	66	2.0	41	16	0.2	2.5	2.5	2.5	0.069	3.16	493	5	118	70
2000T-129	391955.44	6103866.00	0.1	30	9	44	1.0	29	10	0.1	2.5	2.5	2.5	0.050	2.24	255	5	96	56
2000T-130-1 Analytical Duplicate	392870.50	6104868.50	0.1	27	11	86	1.0	48	20	0.1	2.5	2.5	2.5	0.039	3.72	413	5	118	78
2000T-130-2 Analytical Duplicate	392870.50	6104868.50	0.1	28	11	88	0.5	47	21	0.2	2.5	2.5	2.5	0.041	3.71	415	5	120	81
2000T-131	393909.19	6105750.00	0.1	32	10	63	1.0	35	12	0.2	2.5	5.0	2.5	0.032	2.81	416	5	107	61
2000T-132	394643.75	6105112.00	0.1	106	9	91	0.5	51	18	0.3	2.5	2.5	2.5	0.078	4.21	606	5	121	87
2000T-133	395632.94	6104304.50	0.1	37	9	67	1.0	36	13	0.2	2.5	5.0	2.5	0.021	2.83	472	5	73	58
2000T-134	395953.06	6103406.50	0.1	30	14	82	1.0	41	18	0.2	2.5	6.0	2.5	0.056	3.49	588	5	135	73
2000T-135	398475.94	6100648.50	0.5	21	14	50	2.0	28	9	0.4	2.5	2.5	2.5	0.090	2.68	360	5	128	59
2000T-136	397807.00	6101720.00	0.1	33	15	79	2.0	42	17	0.6	2.5	6.0	2.5	0.078	3.79	652	5	120	76
2000T-137-1 Analytical Duplicate	398893.06	6102443.50	0.3	40	15	70	2.0	35	14	0.5	2.5	8.0	2.5	0.062	3.46	530	5	137	69
2000T-137-2 Analytical Duplicate	398893.06	6102443.50	0.4	42	14	72	1.0	38	16	0.3	2.5	6.0	2.5	0.065	3.70	601	5	136	70
2000T-138	400332.28	6102223.50	0.4	35	14	67	2.0	29	14	0.4	2.5	6.0	2.5	0.057	3.18	528	5	124	56
2000T-139	401013.91	6102969.00	0.1	31	12	88	0.5	42	18	0.5	2.5	7.0	2.5	0.043	4.21	512	5	128	79
2000T-140	396582.16	6102405.00	0.7	16	11	43	2.0	21	9	0.2	2.5	2.5	2.5	0.039	2.08	349	5	83	43
2000T-142	398461.16	6104054.50	0.4	27	12	58	2.0	28	11	0.3	2.5	6.0	2.5	0.058	2.81	562	5	101	53
2000T-143	398945.84	6104816.50	1.1	14	8	30	2.0	18	7	0.1	2.5	2.5	2.5	0.059	1.59	238	5	90	36
2000T-146	401035.00	6105142.00	1.0	17	9	40	2.0	21	8	0.2	2.5	2.5	2.5	0.029	2.12	359	5	113	44
2000T-148	400836.19	6104312.50	0.1	30	13	75	0.5	44	19	0.4	2.5	6.0	2.5	0.031	4.53	488	5	177	83
2000T-149-1 Analytical Duplicate	402139.66	6105434.00	0.7	15	13	46	2.0	25	10	0.4	2.5	6.0	2.5	0.034	2.25	382	5	89	47
2000T-149-2 Analytical Duplicate	402139.66	6105434.00	1.1	13	12	38	1.0	22	9	0.1	2.5	2.5	5.0	0.033	1.94	345	5	89	40
2000T-151	402635.81	6106941.00	0.1	121	7	56	2.0	44	15	0.3	2.5	5.0	2.5	0.139	3.18	395	10	158	85
2000T-152	403285.63	6107605.00	0.1	42	15	85	0.5	49	18	0.3	2.5	5.0	2.5	0.033	4.94	472	12	231	91
2000T-153	403857.41	6108381.00	0.7	28	9	42	2.0	26	10	0.3	2.5	2.5	2.5	0.046	2.29	376	5	155	51
2000T-154	405007.19	6108764.00	0.3	45	18	72	4.0	35	16	0.1	2.5	6.0	2.5	0.058	3.71	612	5	165	68

Sample Site	UTM		Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Hg	Fe	Mn	Te	Ba	Cr
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
2000T-155	405182.97	6109662.50	1.1	27	11	34	2.0	21	8	0.1	2.5	2.5	2.5	0.048	2.09	321	5	217	44
2000T-157	402663.81	6108717.50	0.4	23	12	51	1.0	27	12	0.5	2.5	2.5	2.5	0.070	2.72	441	5	90	52
2000T-159	401165.03	6107954.50	0.4	30	12	70	2.0	36	14	0.4	2.5	7.0	2.5	0.060	3.50	517	5	103	65
2000T-160	399579.41	6108137.00	0.1	38	30	97	2.0	43	30	0.4	2.5	2.5	2.5	0.072	3.71	404	5	108	69
2000T-161	409503.97	6110965.50	0.2	35	13	63	2.0	36	15	0.3	2.5	9.0	2.5	0.049	3.65	561	5	151	69
2000T-162	408825.19	6111203.00	0.2	27	10	54	2.0	30	12	0.2	2.5	2.5	2.5	0.029	3.25	383	11	225	70
2000T-165	406840.56	6111248.50	0.1	36	14	134	1.0	54	22	1.1	2.5	2.5	2.5	0.073	4.99	534	11	310	107
2000T-166	406114.34	6111079.00	1.0	25	12	39	2.0	24	10	0.1	2.5	2.5	2.5	0.047	2.17	357	5	166	47
2000T-167	404689.56	6110332.00	0.7	13	9	35	2.0	20	9	0.1	2.5	2.5	2.5	0.037	1.93	354	5	122	42
2000T-169	406356.91	6109394.50	0.5	21	14	53	1.0	30	12	0.1	2.5	2.5	2.5	0.029	2.80	422	5	159	62
2000T-170	401106.94	6103466.00	0.1	37	12	79	2.0	44	19	0.2	2.5	5.0	2.5	0.071	3.79	571	5	140	76
2000T-171-1 Analytical Duplicate	400308.25	6102973.00	0.3	35	13	70	2.0	41	18	0.1	2.5	6.0	2.5	0.068	3.46	521	5	130	72
2000T-171-2 Analytical Duplicate	400308.25	6102973.00	0.2	39	14	67	0.5	38	16	0.1	2.5	7.0	2.5	0.075	3.51	632	5	129	64
2000T-173	385214.00	6096092.00	0.5	29	15	68	2.0	38	22	0.5	2.5	9.0	2.5	0.064	3.02	601	5	101	58
2000T-174	384167.44	6096184.50	0.3	60	33	55	2.0	45	28	0.8	2.5	25.0	2.5	0.159	3.87	735	5	108	75
2000T-175	388265.75	6102950.00	0.4	27	12	53	2.0	28	11	0.3	2.5	5.0	2.5	0.034	2.87	433	5	101	55
2000T-177	386911.66	6102253.00	0.6	25	12	56	2.0	30	14	0.3	2.5	7.0	2.5	0.049	2.79	426	5	110	55
2000T-178	383961.50	6096975.00	0.1	45	17	75	1.0	42	19	0.6	2.5	10.0	2.5	0.102	4.37	638	5	119	75
2000T-179-1 Analytical Duplicate	382763.03	6098971.50	0.2	40	19	61	2.0	35	17	0.4	2.5	9.0	2.5	0.086	3.52	715	5	111	57
2000T-179-2 Analytical Duplicate	382763.03	6098971.50	0.3	38	13	72	1.0	39	17	0.2	2.5	7.0	2.5	0.068	3.83	638	5	119	65
2000T-180	383572.19	6099390.00	0.1	25	12	62	2.0	34	13	0.2	2.5	2.5	2.5	0.029	3.59	488	5	136	62
2000T-182	385706.34	6102721.00	0.1	65	13	72	2.0	40	14	0.2	2.5	5.0	2.5	0.067	3.99	467	5	131	72
2000T-201	376329.06	6099848.50	0.1	26	12	67	0.5	38	14	0.2	2.5	6.0	2.5	0.038	3.68	493	5	101	67
2000T-202	377827.09	6101405.50	0.1	29	15	62	2.0	43	20	0.4	2.5	7.0	2.5	0.084	3.47	656	5	99	60
2000T-203	377759.09	6103205.50	0.5	33	13	57	2.0	37	17	0.4	2.5	7.0	2.5	0.079	2.97	571	5	86	55
2000T-204	379288.84	6099045.50	0.1	50	19	82	2.0	41	22	0.3	2.5	12.0	2.5	0.072	4.18	535	5	148	72
2000T-205	377938.81	6100685.00	0.1	156	15	93	2.0	59	24	0.4	2.5	28.0	2.5	0.162	5.06	569	5	197	87
2000T-206	376715.94	6102116.00	0.7	20	8	48	2.0	28	12	0.4	2.5	2.5	2.5	0.047	2.55	471	5	102	47
2000T-207	383212.94	6102354.00	0.1	36	15	54	1.0	31	13	0.3	2.5	7.0	2.5	0.059	3.31	432	5	105	57
2000T-209	377791.78	6097599.50	0.1	60	13	69	1.0	47	15	0.2	2.5	7.0	2.5	0.047	3.97	452	5	124	72
2000T-210	378771.63	6097898.50	0.3	33	14	52	1.0	32	14	0.1	2.5	8.0	2.5	0.059	3.22	496	5	94	56
2000T-211	386750.13	6103960.50	0.1	27	13	60	2.0	31	13	0.3	2.5	2.5	2.5	0.035	3.15	430	5	124	58
2000T-212	383294.22	6105784.50	0.4	33	12	66	2.0	32	15	0.4	2.5	7.0	2.5	0.079	3.05	575	5	104	55
2000T-213	381556.81	6105384.50	0.6	48	20	42	2.0	29	20	0.8	2.5	9.0	2.5	0.108	3.89	589	5	127	47
2000T-215	377864.75	6104760.00	0.3	23	11	61	1.0	34	15	0.1	2.5	5.0	2.5	0.047	3.31	468	5	97	60
2000T-216	383573.22	6109146.50	0.3	18	9	51	2.0	29	12	0.3	2.5	6.0	2.5	0.051	2.66	443	5	90	49
2000T-217	390236.81	6110548.50	0.1	41	17	54	2.0	45	28	0.9	2.5	12.0	2.5	0.236	4.34	1273	5	114	80
2000T-218-1 Analytical Duplicate	389764.00	6111144.00	0.2	37	14	67	2.0	36	15	0.2	2.5	7.0	2.5	0.084	3.48	578	5	101	60
2000T-218-2 Analytical Duplicate	389764.00	6111144.00	0.2	34	8	66	2.0	37	14	0.2	2.5	6.0	2.5	0.062	3.61	415	5	128	70
2000T-219	390098.19	6111950.00	0.5	27	11	56	2.0	32	12	0.3	2.5	2.5	2.5	0.045	3.01	463	5	126	58
2000T-220	381027.66	6110614.00	0.3	27	12	55	1.0	32	12	0.3	2.5	2.5	2.5	0.031	2.94	450	5	124	56
2000T-221	377695.31	6108412.50	0.1	20	10	48	1.0	28	10	0.1	2.5	2.5	2.5	0.017	2.75	443	5	96	52
2000T-222	379349.53	6108925.00	0.9	19	9	46	2.0	28	10	0.1	2.5	2.5	2.5	0.035	2.46	444	5	100	48
2000T-223	381125.06	6107999.50	0.3	24	14	64	2.0	39	16	0.3	2.5	6.0	2.5	0.086	3.41	571	5	113	67
2000T-224	379795.09	6110312.00	0.7	18	11	48	1.0	28	12	0.3	2.5	2.5	2.5	0.036	2.50	539	5	97	48
2000T-225	379465.34	6111669.50	0.3	28	11	75	2.0	43	16	0.4	2.5	5.0	2.5	0.047	3.76	588	5	122	72
2000T-226	385778.38	6102867.50	0.1	29	11	66	1.0	36	13	0.3	2.5	6.0	2.5	0.050	3.53	572	5	103	67
2000T-227	389816.63	6100772.00	0.3	50	17	82	3.0	35	19	0.4	2.5	10.0	2.5	0.061	3.57	731	5	125	57
2000T-228	386397.94	6109043.50	0.4	36	17	71	2.0	37	20	0.4	2.5	10.0	2.5	0.078	3.27	611	5	103	62

Sample Site	UTM		Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Hg	Fe	Mn	Te	Ba	Cr
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
2000T-229	384070.59	6107122.50	0.1	48	15	72	2.0	46	21	0.3	2.5	11.0	2.5	0.113	4.48	628	5	137	78
2000T-230	383904.16	6112613.50	0.1	20	13	65	0.5	38	19	0.1	2.5	2.5	2.5	0.082	4.22	697	5	115	73
2000T-231-1 Analytical Duplicate	382258.53	6113338.50	0.1	51	16	81	2.0	48	19	0.4	2.5	7.0	2.5	0.100	4.52	585	10	139	81
2000T-231-2 Analytical Duplicate	382258.53	6113338.50	0.1	37	11	65	1.0	40	14	0.4	2.5	6.0	2.5	0.112	4.03	408	5	118	70
2000T-232	390562.03	6109659.00	0.1	36	16	59	2.0	43	19	0.5	2.5	10.0	2.5	0.126	3.99	617	5	143	69
2000T-233	392016.75	6110904.50	0.5	16	11	51	2.0	29	12	0.3	2.5	2.5	2.5	0.023	2.51	506	5	94	44
2000T-234	392301.84	6112182.50	0.2	37	14	66	2.0	31	12	0.4	2.5	7.0	2.5	0.062	3.63	425	5	112	58
2000T-235	386428.03	6112778.00	0.2	27	9	57	2.0	31	12	0.3	2.5	2.5	2.5	0.057	3.36	521	5	97	56
2000T-236	381154.03	6111993.00	0.4	20	9	52	2.0	32	12	0.4	2.5	2.5	2.5	0.040	3.12	428	5	94	56
2000T-237	379199.69	6112599.50	0.1	21	15	68	1.0	38	17	0.4	2.5	7.0	2.5	0.054	3.71	547	5	125	67
2000T-238	386874.16	6116827.00	0.1	29	10	71	1.0	38	14	0.3	2.5	7.0	2.5	0.051	3.75	551	5	111	65
2000T-239	386481.22	6119657.00	0.1	55	13	84	1.0	47	21	0.3	2.5	10.0	2.5	0.107	4.68	605	5	133	75
2000T-240	385161.59	6118841.50	0.1	44	14	75	2.0	42	17	0.1	2.5	6.0	2.5	0.093	4.24	627	5	124	72
2000T-241	382370.50	6117084.50	0.1	19	10	60	1.0	37	15	0.4	2.5	2.5	2.5	0.042	3.62	528	5	102	62
2000T-242	381725.97	6118149.50	0.1	54	13	70	2.0	40	17	0.4	2.5	9.0	2.5	0.129	4.44	501	5	123	68
2000T-243	383723.41	6118533.50	0.5	19	13	47	2.0	27	10	0.1	2.5	2.5	2.5	0.034	2.65	459	5	124	48
2000T-244	389263.66	6117914.50	0.1	36	18	82	1.0	39	24	0.4	2.5	12.0	2.5	0.054	3.47	770	5	81	59
2000T-245	390752.63	6118711.00	0.1	67	15	76	2.0	37	17	0.3	2.5	6.0	2.5	0.080	3.83	536	5	116	67
2000T-246	389829.19	6119804.50	0.3	24	12	58	2.0	33	11	0.4	2.5	2.5	2.5	0.034	3.37	422	5	101	61
2000T-247	387542.09	6120739.50	0.6	29	10	48	2.0	30	13	0.4	2.5	7.0	2.5	0.060	2.69	484	5	94	51
2000T-248	387894.78	6122519.00	0.2	33	13	65	0.5	39	15	0.4	2.5	2.5	2.5	0.067	3.80	528	5	103	65
2000T-249	386461.28	6122755.00	0.1	33	14	77	1.0	43	19	0.3	2.5	10.0	2.5	0.117	3.96	537	5	107	66
2000T-250-1 Analytical Duplicate	392449.16	6112208.50	0.1	59	17	82	2.0	48	19	0.4	2.5	9.0	2.5	0.150	4.81	615	5	139	76
2000T-250-2 Analytical Duplicate	392449.16	6112208.50	0.1	49	16	73	2.0	43	16	0.4	2.5	9.0	2.5	0.144	4.52	490	5	112	70
2000T-251	391802.69	6111173.00	0.6	19	12	56	2.0	32	13	0.5	2.5	2.5	2.5	0.050	2.99	512	5	94	52
2000T-252	390174.03	6112731.00	0.5	19	9	50	1.0	30	11	0.4	2.5	2.5	2.5	0.055	2.99	387	5	90	51
2000T-253	395615.16	6113826.50	0.4	30	12	62	1.0	33	12	0.4	2.5	2.5	2.5	0.068	3.31	490	5	105	65
2000T-254	396711.59	6114399.00	0.5	17	9	54	1.0	31	12	0.4	2.5	6.0	2.5	0.044	2.98	501	5	94	55
2000T-255	398099.66	6117886.50	0.3	33	12	60	2.0	32	13	0.3	2.5	2.5	2.5	0.064	3.45	487	5	113	57
2000T-256	403018.75	6120422.00	0.1	47	14	74	1.0	43	18	0.3	2.5	8.0	2.5	0.107	4.39	647	5	117	69
2000T-257	403015.22	6118430.00	0.1	15	17	90	2.0	49	24	0.6	2.5	10.0	2.5	0.064	7.22	363	14	276	110
2000T-258	401426.78	6118891.00	0.6	27	9	37	1.0	24	10	0.2	2.5	5.0	2.5	0.081	2.60	249	5	119	50
2000T-259	394433.78	6120179.50	0.6	36	12	66	1.0	36	15	0.3	2.5	7.0	2.5	0.065	3.64	527	5	124	63
2000T-260	392810.16	6120480.50	0.5	42	11	55	2.0	29	12	0.1	2.5	7.0	2.5	0.050	3.07	535	5	131	54
2000T-261	395856.13	6121526.00	0.1	31	15	74	1.0	45	21	0.2	2.5	9.0	2.5	0.117	4.57	608	5	105	79
2000T-262	382201.84	6113313.00	0.1	38	12	66	1.0	38	15	0.3	2.5	2.5	2.5	0.080	3.70	478	5	115	66
2000T-263	382691.75	6113932.00	0.1	62	16	87	2.0	44	18	0.4	2.5	12.0	2.5	0.097	4.46	483	5	157	74
2000T-264	380485.66	6115711.50	0.5	24	14	50	2.0	31	13	0.4	2.5	5.0	2.5	0.094	2.98	465	5	96	52
2000T-265-1 Analytical Duplicate	379871.44	6116760.00	0.2	24	13	68	1.0	40	15	0.4	2.5	7.0	2.5	0.049	3.92	500	5	99	69
2000T-265-2 Analytical Duplicate	379871.44	6116760.00	0.7	20	11	49	2.0	29	11	0.1	2.5	2.5	2.5	0.052	2.88	346	5	89	54
2000T-266	381433.31	6117001.50	1.1	17	11	38	2.0	23	9	0.3	2.5	2.5	2.5	0.035	2.15	274	5	84	42
2000T-267	375915.06	6116255.00	0.2	37	16	56	1.0	34	16	0.3	2.5	10.0	2.5	0.081	3.32	620	5	98	52
2000T-268	378764.00	6115647.00	0.4	18	13	49	2.0	30	16	0.2	2.5	6.0	2.5	0.056	2.72	527	5	71	49
2000T-269	375817.69	6117177.00	0.1	44	10	69	2.0	44	17	0.1	2.5	8.0	2.5	0.145	4.50	504	5	139	76
2000T-270	375674.28	6118785.50	0.1	36	12	76	2.0	40	14	0.3	2.5	6.0	2.5	0.048	4.27	430	5	114	74
2000T-271	372623.97	6120092.00	0.4	38	11	76	1.0	36	14	0.3	2.5	5.0	2.5	0.054	3.52	424	5	97	64
2000T-272	381917.66	6115401.50	0.1	48	16	83	2.0	44	18	0.3	2.5	11.0	2.5	0.103	4.25	568	5	127	69
2000T-273	379539.09	6113473.00	0.4	23	11	46	2.0	26	11	0.1	2.5	2.5	2.5	0.037	2.63	502	5	89	51
2000T-274	378643.41	6113610.00	0.4	24	9	55	0.5	33	11	0.3	2.5	2.5	2.5	0.047	3.16	424	5	99	62

Sample Site	UTM		Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Hg	Fe	Mn	Te	Ba	Cr
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
2000T-275	376090.72	6109961.00	0.1	43	13	70	2.0	39	16	0.2	2.5	9.0	2.5	0.073	4.06	549	5	122	72
2000T-276	376198.66	6110938.00	0.1	29	20	64	2.0	38	19	0.4	2.5	8.0	2.5	0.084	3.71	626	5	108	66
2000T-277	376521.69	6112449.50	0.8	20	9	44	1.0	27	10	0.4	2.5	2.5	2.5	0.048	2.42	450	5	96	51
2000T-278	375920.22	6119958.50	0.1	46	16	77	2.0	52	22	0.4	2.5	9.0	2.5	0.086	4.42	700	5	115	81
2000T-279	380540.75	6121179.00	0.1	28	9	60	1.0	34	12	0.3	2.5	6.0	2.5	0.063	3.41	431	5	107	63
2000T-280	377783.25	6117499.50	0.1	35	11	85	1.0	47	18	0.3	2.5	7.0	2.5	0.095	4.71	516	5	120	79
2000T-281-1 Analytical Duplicate	375405.56	6111977.50	0.4	15	8	54	2.0	31	13	0.4	2.5	2.5	2.5	0.050	2.96	491	5	104	57
2000T-281-2 Analytical Duplicate	375405.56	6111977.50	0.1	25	13	74	1.0	43	20	0.4	2.5	6.0	2.5	0.097	4.30	619	5	153	79
2000T-282	374344.63	6110827.50	0.3	15	7	50	1.0	29	11	0.4	2.5	2.5	2.5	0.045	3.01	465	5	93	55
2000T-283	372750.41	6110253.50	0.1	36	13	62	2.0	37	15	0.3	2.5	8.0	2.5	0.074	3.88	476	5	107	67
2000T-284	371076.44	6112518.50	0.1	37	10	66	1.0	38	16	0.3	2.5	8.0	2.5	0.087	3.89	509	5	108	67
2000T-285	373327.72	6114288.50	0.9	11	8	36	1.0	22	9	0.1	2.5	2.5	2.5	0.044	2.23	303	5	89	44
2000T-286	371991.28	6112810.50	0.3	18	12	54	2.0	32	14	0.4	2.5	2.5	2.5	0.052	2.97	551	5	116	55
2000T-287	377537.22	6113875.00	0.1	29	15	56	2.0	40	18	0.1	2.5	15.0	2.5	0.077	3.47	578	5	183	72
2000T-288	377012.94	6113260.00	0.1	61	17	83	2.0	57	27	0.6	2.5	8.0	2.5	0.174	4.92	980	5	136	99
2000T-289	377610.78	6110969.00	0.9	39	17	71	1.0	32	15	0.5	2.5	8.0	2.5	0.037	2.88	660	5	122	49
2000T-290	382417.03	6114793.00	0.4	40	13	76	2.0	42	17	0.3	2.5	6.0	2.5	0.055	3.72	501	5	156	68
2000T-291	383696.41	6115010.50	0.5	46	17	91	1.0	42	19	0.6	2.5	8.0	2.5	0.055	3.80	694	5	137	65
2000T-292	385936.47	6116781.00	0.6	55	15	81	2.0	43	17	0.2	2.5	11.0	2.5	0.101	3.71	592	5	143	66
2000T-293	385024.91	6115886.00	0.3	62	15	118	2.0	57	24	0.3	2.5	10.0	2.5	0.139	4.78	829	5	172	80
2000T-294	388431.34	6117653.00	0.1	59	14	103	1.0	59	23	0.5	2.5	6.0	2.5	0.142	4.46	568	5	173	83
2000T-295	390772.88	6115942.50	0.7	22	12	72	2.0	37	15	0.5	2.5	5.0	2.5	0.020	3.03	575	5	116	55
2000T-296	388906.22	6116341.50	0.7	37	10	79	2.0	35	15	0.5	2.5	7.0	2.5	0.043	3.05	630	5	129	53
2000T-297	392777.22	6119550.50	0.5	62	15	94	2.0	46	21	0.4	2.5	8.0	2.5	0.108	3.79	797	5	131	63
2000T-298	386844.25	6118304.50	0.4	40	15	82	2.0	36	16	0.2	2.5	7.0	2.5	0.053	3.29	602	5	109	59
2000T-299	389554.72	6118795.50	0.8	36	10	73	2.0	38	14	0.1	2.5	7.0	2.5	0.056	3.05	492	5	111	59
2000T-300	397789.06	6120371.50	0.6	31	11	80	1.0	43	15	0.4	2.5	7.0	2.5	0.032	3.63	491	5	120	72
2000T-301	397379.28	6115475.50	0.7	34	13	74	1.0	37	15	0.4	2.5	9.0	2.5	0.073	3.09	571	5	106	55
2000T-302	398199.97	6115605.50	0.6	30	12	87	2.0	40	15	0.3	2.5	6.0	2.5	0.023	3.44	558	5	134	64
2000T-303	399031.28	6117196.50	0.5	41	15	84	2.0	37	18	0.4	2.5	7.0	2.5	0.051	3.45	858	5	113	57
2000T-304	399059.47	6121780.00	0.5	40	13	83	1.0	38	16	0.3	2.5	8.0	2.5	0.080	3.42	607	5	121	61
2000T-305	394394.06	6121113.00	0.7	43	13	78	2.0	43	17	0.3	2.5	8.0	2.5	0.092	3.23	590	5	107	57
2000T-306	395742.28	6120763.00	0.4	43	12	75	2.0	41	16	0.1	2.5	8.0	2.5	0.052	3.34	545	5	138	62
2000T-307	401533.19	6115214.50	1.1	56	17	76	2.0	41	19	0.3	2.5	11.0	2.5	0.064	3.68	755	5	169	62
2000T-309	391428.59	6122577.50	0.1	50	13	95	2.0	55	22	0.5	2.5	8.0	2.5	0.076	4.63	551	5	207	90
2000T-310-1 Analytical Duplicate	386862.44	6121457.50	0.4	45	13	81	1.0	44	15	0.1	2.5	9.0	2.5	0.085	3.58	463	5	112	70
2000T-310-2 Analytical Duplicate	386862.44	6121457.50	0.4	36	11	74	2.0	37	15	0.2	2.5	6.0	2.5	0.040	3.03	551	5	104	58
2000T-311	398860.28	6124033.50	0.2	42	13	99	1.0	48	16	0.3	2.5	8.0	2.5	0.044	4.27	458	5	140	77
2000T-312	401764.13	6124868.00	0.6	38	13	79	1.0	38	18	0.3	2.5	6.0	2.5	0.062	3.45	781	5	120	59
2000T-313	401949.66	6123755.50	0.2	44	14	92	2.0	45	19	0.3	2.5	8.0	2.5	0.074	3.75	750	5	123	69
2000T-315	394579.59	6115052.50	0.1	43	10	99	2.0	49	20	0.4	2.5	6.0	2.5	0.082	4.17	501	5	155	79
2000T-316	393563.53	6115607.50	0.4	38	12	83	1.0	36	16	0.3	2.5	7.0	2.5	0.053	3.34	557	5	124	58
2000T-317	395119.63	6116693.00	0.1	55	11	103	1.0	54	19	0.4	2.5	10.0	2.5	0.089	4.28	480	5	154	74
2000T-319	392888.03	6114085.00	0.5	41	13	89	2.0	42	17	0.2	2.5	9.0	2.5	0.043	3.44	650	5	122	62
2000T-320	393461.94	6117975.00	0.3	38	11	80	2.0	41	17	0.3	2.5	8.0	2.5	0.051	3.28	636	5	121	62
2000T-324	405468.59	6118863.50	0.5	46	11	70	1.0	40	15	0.3	2.5	7.0	2.5	0.066	3.44	521	5	148	67
2000T-325	402728.47	6116397.00	0.4	52	13	84	2.0	44	18	0.3	2.5	16.0	2.5	0.081	3.51	711	5	136	67
2000T-326	403152.28	6115757.50	0.7	40	11	75	2.0	32	14	0.3	2.5	7.0	2.5	0.037	2.81	535	5	140	53
2000T-328	399453.69	6113119.50	0.1	46	12	96	0.5	56	20	0.4	2.5	7.0	2.5	0.026	5.21	578	5	242	85

Sample Site	UTM		Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Hg	Fe	Mn	Te	Ba	Cr
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
2000T-329-1 Analytical Duplicate	399739.69	6116073.00	0.1	77	17	110	2.0	55	23	0.7	2.5	14.0	2.5	0.154	4.77	655	5	172	75
2000T-329-2 Analytical Duplicate	399739.69	6116073.00	0.3	75	18	109	2.0	55	22	0.3	2.5	15.0	2.5	0.099	4.49	682	5	169	77
2000T-330	400493.94	6121466.50	0.5	40	14	88	1.0	45	17	0.3	2.5	8.0	2.5	0.042	3.56	578	5	124	70
2000T-331	397631.47	6122161.50	0.5	30	11	75	2.0	44	17	0.3	2.5	6.0	2.5	0.024	3.32	643	5	163	68
2000T-333	388990.78	6111278.50	0.5	35	10	84	1.0	39	15	0.3	2.5	7.0	2.5	0.029	3.21	499	5	115	59
2000T-334	388337.50	6112415.00	0.1	27	11	92	2.0	47	18	0.4	2.5	6.0	2.5	0.042	3.70	636	5	134	73
2000T-335	387047.66	6109799.50	0.3	51	16	90	1.0	47	20	0.2	2.5	11.0	2.5	0.099	3.97	625	5	145	71
2000T-336	386319.13	6111064.50	0.3	30	11	74	1.0	39	15	0.2	2.5	2.5	2.5	0.032	3.02	504	5	105	59
2000T-337	382498.38	6109258.00	0.3	38	11	76	2.0	44	18	0.2	2.5	7.0	2.5	0.084	3.90	459	5	144	72
2000T-339	384452.22	6121046.00	0.4	36	10	79	2.0	40	15	0.1	2.5	6.0	2.5	0.020	3.21	552	5	118	61
2000T-341	378317.00	6120022.00	0.1	56	14	106	2.0	56	21	0.3	2.5	11.0	2.5	0.102	4.10	704	5	140	73
2000T-343	374800.81	6116438.50	0.5	35	9	78	1.0	41	15	0.4	2.5	5.0	2.5	0.023	3.32	558	5	117	61
2000T-344	374923.78	6117839.50	0.3	38	10	84	2.0	45	17	0.4	2.5	7.0	2.5	0.060	3.65	556	5	121	68
2000T-345-1 Analytical Duplicate	373345.66	6119686.50	0.5	37	11	62	1.0	35	14	0.2	2.5	7.0	2.5	0.063	2.89	501	5	108	54
2000T-345-2 Analytical Duplicate	373345.66	6119686.50	0.5	40	14	70	0.5	39	14	0.1	2.5	6.0	2.5	0.060	3.27	426	5	119	63
2000T-346	370761.88	6118036.00	0.5	50	11	78	2.0	42	15	0.3	2.5	6.0	2.5	0.033	3.40	517	5	112	67
2000T-347	372443.16	6117141.00	0.1	45	18	92	2.0	53	24	0.4	2.5	7.0	2.5	0.099	4.15	795	5	149	73
2000T-348	370122.25	6116112.50	0.6	32	13	75	1.0	37	16	0.3	2.5	6.0	2.5	0.035	2.86	659	5	109	53
2000T-349	371728.59	6114122.50	0.1	35	12	80	0.5	43	16	0.2	2.5	6.0	2.5	0.038	3.40	561	5	134	65
2000T-350	402081.97	6122364.50	0.4	35	11	76	2.0	40	16	0.4	2.5	5.0	2.5	0.048	3.27	535	5	100	63
2000T-351	396866.97	6123412.50	0.3	43	15	84	2.0	42	17	0.1	2.5	8.0	2.5	0.094	3.67	639	5	116	65
2000T-352	394480.94	6124486.00	0.3	42	10	93	2.0	46	17	0.1	2.5	7.0	2.5	0.023	3.76	601	5	123	71
2000T-353	396067.84	6125747.00	0.6	22	9	61	1.0	33	13	0.3	2.5	2.5	2.5	0.038	2.44	525	5	91	45
2000T-354	392236.41	6123705.50	0.1	62	15	117	2.0	74	37	0.4	2.5	8.0	2.5	0.106	4.73	664	5	157	87
2000T-355	393649.88	6123363.00	0.1	88	18	100	2.0	43	24	0.3	2.5	10.0	2.5	0.080	3.89	952	5	176	63
2000T-356	378960.09	6100575.00	0.1	34	12	78	0.5	43	17	0.1	2.5	12.0	2.5	0.057	3.83	448	5	141	70
2000T-357	382146.16	6101546.50	0.5	51	13	82	1.0	39	20	0.3	2.5	10.0	2.5	0.055	3.24	746	5	127	56
2000T-358	384700.47	6100007.50	0.4	32	13	74	2.0	41	18	0.3	2.5	2.5	2.5	0.051	3.33	654	5	124	62
2000T-361	376265.22	6096775.50	0.1	51	16	90	1.0	48	23	0.4	2.5	12.0	2.5	0.057	3.48	767	5	112	60
2000T-362	380254.41	6098643.00	0.3	43	13	87	1.0	42	15	0.2	2.5	9.0	2.5	0.077	3.66	451	5	132	65
2000T-364	382689.63	6104796.00	0.1	53	14	102	2.0	55	22	0.5	2.5	12.0	2.5	0.104	4.61	527	5	164	80
2000T-365	376956.47	6105531.50	0.5	34	14	71	2.0	34	14	0.4	2.5	7.0	2.5	0.055	2.95	596	5	119	53
2000T-366	376100.69	6107566.50	0.2	51	10	83	1.0	47	17	0.4	2.5	6.0	2.5	0.126	3.81	379	5	163	77
2000T-367	378498.88	6109643.00	0.4	33	14	78	2.0	40	16	0.2	2.5	6.0	2.5	0.032	3.23	633	5	116	62
2000T-368	375676.59	6109114.50	0.2	36	11	83	1.0	46	17	0.4	2.5	6.0	2.5	0.040	3.69	517	5	133	77

Sample Site	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr	S	AsHY
	ppm	ppm	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm
2000T-1	60	10	10	34	3.57	1.86	2.33	0.88	0.43	43	11	9	49	8	7.0	5	0.114	12	0.050	4.9
2000T-2	34	10	10	30	1.96	1.77	10.00	0.55	0.36	82	7	4	30	4	2.5	5	0.097	10	0.100	2.5
2000T-4	34	10	10	34	1.63	2.06	10.00	0.41	0.29	109	10	3	23	3	2.5	5	0.091	15	0.100	5.6
2000T-6	42	10	10	29	1.90	1.77	10.00	0.82	0.30	81	9	4	28	4	2.5	5	0.086	7	0.100	6.2
2000T-8	56	10	10	39	3.26	2.28	3.10	0.95	0.36	46	16	8	45	7	7.0	5	0.107	9	0.070	6.0
2000T-9	46	10	10	35	2.21	1.99	7.42	0.55	0.35	73	10	5	32	5	5.0	5	0.126	14	0.060	4.7
2000T-12	43	10	10	34	2.18	2.36	8.21	0.60	0.26	77	11	5	31	5	5.0	5	0.118	9	0.070	3.7
2000T-13	49	10	10	33	2.51	1.93	6.80	0.68	0.31	58	12	6	35	6	6.0	5	0.113	10	0.070	4.5
2000T-14	55	10	10	34	3.04	1.61	4.69	0.86	0.36	52	12	8	41	7	7.0	5	0.119	14	0.060	4.2
2000T-15	41	10	10	29	1.75	1.84	10.00	0.71	0.25	103	9	4	28	4	2.5	5	0.084	7	0.100	9.5
2000T-16-1 Analytical Duplicate	17	10	10	17	0.88	1.21	10.00	0.42	0.10	131	7	1	11	2	2.5	5	0.040	2	0.200	3.8
2000T-16-2 Analytical Duplicate	39	10	10	30	2.14	1.81	10.00	0.55	0.38	89	9	5	32	4	2.5	5	0.091	9	0.100	4.8
2000T-17	54	10	10	33	3.16	1.68	6.33	0.80	0.28	60	12	9	48	7	6.0	5	0.102	11	0.080	6.5
2000T-18	44	10	10	32	1.98	2.06	9.96	0.54	0.33	92	9	4	31	4	2.5	5	0.115	13	0.080	4.1
2000T-24	55	10	10	35	2.94	1.87	3.89	0.68	0.48	52	12	8	43	7	7.0	5	0.143	15	0.040	3.9
2000T-25	48	10	10	33	1.99	2.35	9.42	0.55	0.32	89	10	5	31	4	5.0	5	0.121	18	0.070	7.3
2000T-26	28	10	10	28	1.22	2.18	10.00	0.49	0.21	128	9	1	19	3	2.5	5	0.080	9	0.120	6.2
2000T-27	37	10	10	36	2.21	1.78	10.00	0.77	0.24	78	11	5	32	5	2.5	5	0.080	5	0.120	3.9
2000T-28	45	10	10	35	2.39	2.37	7.14	0.65	0.28	67	13	5	35	5	6.0	5	0.116	9	0.070	5.2
2000T-29	42	10	10	34	2.06	2.13	10.00	0.59	0.28	91	11	5	30	4	2.5	5	0.108	10	0.090	4.2
2000T-30	35	10	10	30	1.92	1.82	10.00	0.72	0.24	83	10	4	28	4	2.5	5	0.084	5	0.110	4.6
2000T-31	36	10	10	32	1.85	1.70	10.00	0.59	0.24	82	12	4	24	4	2.5	5	0.086	8	0.100	2.9
2000T-33	47	10	10	31	2.44	2.02	7.64	0.65	0.44	72	9	6	39	5	6.0	5	0.120	11	0.070	5.4
2000T-34	43	10	10	34	2.26	2.29	7.31	0.95	0.22	68	12	5	33	6	5.0	5	0.089	5	0.090	5.1
2000T-35-1 Analytical Duplicate	26	10	10	26	1.33	1.53	10.00	0.46	0.16	108	8	2	19	3	2.5	5	0.074	7	0.120	3.3
2000T-35-2 Analytical Duplicate	46	10	10	33	2.31	2.33	7.24	0.69	0.26	68	12	5	33	5	6.0	5	0.122	10	0.070	10.3
2000T-36	39	10	10	34	1.90	2.18	9.10	0.54	0.36	92	10	4	32	4	5.0	5	0.122	17	0.070	4.4
2000T-37	48	10	10	38	2.27	2.06	7.33	0.55	0.42	81	10	6	40	4	6.0	5	0.134	21	0.050	3.2
2000T-38	45	10	10	33	2.28	2.00	10.00	0.56	0.41	93	10	6	35	4	5.0	5	0.114	15	0.070	3.6
2000T-39	34	10	10	34	1.42	1.97	10.00	0.39	0.27	165	9	3	26	3	2.5	5	0.091	16	0.110	5.9
2000T-40	52	10	10	40	2.89	2.29	6.34	0.79	0.43	68	12	8	44	4	6.0	5	0.115	13	0.060	3.2
2000T-41	46	10	10	45	2.48	1.90	9.16	0.55	0.49	96	11	7	42	4	6.0	5	0.133	23	0.070	2.2
2000T-42	46	10	10	34	2.10	2.06	10.00	0.59	0.40	99	11	6	34	4	5.0	5	0.123	15	0.070	5.0
2000T-43	44	10	10	37	1.86	2.21	10.00	0.54	0.37	122	11	5	34	2	5.0	5	0.120	19	0.070	4.9
2000T-44	37	10	10	30	1.66	1.92	10.00	0.44	0.29	163	9	4	28	3	2.5	5	0.096	9	0.100	3.7
2000T-45	50	10	10	35	2.32	2.00	8.49	0.66	0.46	82	12	6	37	4	6.0	5	0.122	13	0.070	4.8
2000T-46	45	10	10	38	2.22	2.20	8.86	0.65	0.35	88	12	5	33	4	6.0	5	0.119	12	0.070	3.1
2000T-47	57	10	10	39	3.25	1.73	5.64	0.76	0.50	54	14	8	48	5	7.0	5	0.122	12	0.070	4.7
2000T-48	42	10	10	44	2.26	2.51	10.00	0.58	0.53	111	10	5	41	3	5.0	5	0.128	22	0.070	2.2
2000T-49	51	10	10	39	2.54	2.47	5.15	0.68	0.43	66	13	6	42	4	6.0	5	0.137	12	0.050	3.2

Sample Site	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Tl	Zr	S	AsHY
	ppm	ppm	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm
2000T-50	57	10	10	37	3.17	1.98	4.69	0.94	0.32	55	16	8	45	5	7.0	5	0.102	9	0.070	5.2
2000T-51	56	10	10	41	3.31	2.13	2.23	0.82	0.52	48	14	8	46	6	8.0	5	0.136	17	0.040	3.0
2000T-52	52	10	10	35	2.33	1.91	7.21	0.54	0.48	92	9	7	45	4	5.0	5	0.121	19	0.120	2.0
2000T-53-1 Analytical Duplicate	45	10	10	34	2.16	1.81	10.00	0.68	0.29	100	12	5	35	3	5.0	5	0.100	10	0.100	4.0
2000T-53-2 Analytical Duplicate	40	10	10	32	1.84	1.89	10.00	0.58	0.26	126	10	4	32	3	2.5	5	0.102	11	0.100	3.9
2000T-54	32	10	10	34	1.55	2.12	10.00	0.39	0.35	168	10	3	28	2	2.5	5	0.087	9	0.100	8.1
2000T-55	37	10	10	32	1.90	1.74	10.00	0.60	0.27	101	10	4	29	3	2.5	5	0.092	8	0.100	3.4
2000T-56	46	10	10	31	2.29	2.28	8.00	0.70	0.43	82	10	6	39	4	6.0	5	0.118	12	0.060	3.9
2000T-57	42	10	10	35	1.80	1.94	10.00	0.51	0.40	113	10	4	32	3	2.5	5	0.118	14	0.080	8.3
2000T-58	43	10	10	36	1.75	2.29	10.00	0.58	0.36	125	10	4	32	2	2.5	5	0.112	10	0.080	5.2
2000T-60	49	10	10	34	2.13	1.96	5.65	0.66	0.38	75	11	5	32	4	6.0	5	0.117	10	0.050	5.7
2000T-61	34	10	10	29	1.66	2.14	10.00	0.69	0.25	89	10	3	25	3	2.5	5	0.084	5	0.100	4.3
2000T-62	46	10	10	35	2.30	2.11	7.51	0.60	0.34	82	12	5	35	4	6.0	5	0.121	12	0.060	3.7
2000T-64	42	10	10	32	1.85	2.09	8.48	0.55	0.31	96	9	4	30	3	2.5	5	0.119	11	0.060	3.9
2000T-65	36	10	10	33	1.92	2.01	10.00	0.64	0.33	98	9	4	29	3	2.5	5	0.091	6	0.090	4.3
2000T-66	26	10	10	22	1.31	1.46	10.00	0.47	0.24	114	6	2	21	2	2.5	5	0.063	4	0.120	2.6
2000T-67	36	10	10	37	1.88	2.39	10.00	0.43	0.40	114	9	4	32	3	2.5	5	0.102	11	0.080	2.3
2000T-68	33	10	10	34	1.80	1.85	10.00	0.49	0.41	104	8	4	33	3	2.5	5	0.098	14	0.090	2.1
2000T-69-1 Analytical Duplicate	32	10	10	32	1.52	2.41	10.00	0.42	0.36	133	8	3	29	2	2.5	5	0.096	16	0.090	2.8
2000T-69-2 Analytical Duplicate	33	10	10	32	1.54	2.10	10.00	0.51	0.34	118	8	3	29	2	2.5	5	0.094	13	0.090	3.0
2000T-71	38	10	10	34	1.72	1.90	10.00	0.51	0.34	102	9	5	32	3	2.5	5	0.110	19	0.070	4.3
2000T-72	58	10	10	44	2.94	1.76	2.35	0.77	0.57	49	12	9	50	6	7.0	5	0.167	31	0.020	3.1
2000T-73	50	10	10	33	2.52	2.01	3.62	0.70	0.43	56	11	8	46	5	6.0	5	0.137	19	0.040	4.7
2000T-74	44	10	10	31	2.00	2.08	7.65	0.57	0.44	81	9	7	36	3	5.0	5	0.130	23	0.050	4.6
2000T-75	36	10	10	32	1.87	1.89	9.92	0.63	0.25	83	10	5	32	3	2.5	5	0.098	8	0.080	2.8
2000T-76-1 Analytical Duplicate	46	10	10	41	2.21	1.77	5.85	0.55	0.42	69	13	7	38	4	6.0	5	0.138	17	0.050	3.1
2000T-76-2 Analytical Duplicate	44	10	10	41	2.15	1.75	7.43	0.54	0.41	81	11	7	36	4	6.0	5	0.130	18	0.060	2.9
2000T-77	61	10	10	40	3.06	1.41	1.38	0.64	0.84	41	10	12	52	7	8.0	5	0.202	39	0.020	3.2
2000T-78	63	10	10	42	3.50	1.29	0.53	0.64	0.65	40	12	13	63	8	8.0	5	0.173	30	0.010	3.5
2000T-79	39	10	10	37	1.76	2.00	9.32	0.45	0.48	96	10	5	34	3	2.5	5	0.122	16	0.060	3.0
2000T-80	63	10	10	95	3.42	1.12	0.54	0.64	0.64	47	18	12	52	9	9.0	5	0.198	34	0.010	3.5
2000T-81	41	10	10	36	1.87	1.95	10.00	0.55	0.40	112	10	5	33	3	5.0	5	0.114	20	0.080	5.1
2000T-82	67	10	10	45	3.41	1.33	0.73	0.64	0.88	40	13	13	60	8	8.0	5	0.183	37	0.010	4.8
2000T-83	42	10	10	37	2.04	1.84	10.00	0.56	0.47	101	10	6	39	3	5.0	5	0.111	18	0.080	4.3
2000T-84	38	10	10	31	1.75	2.09	10.00	0.57	0.34	110	9	5	31	2	2.5	5	0.096	13	0.080	4.6
2000T-85	47	10	10	35	2.24	1.79	8.36	0.68	0.42	90	10	7	41	4	6.0	5	0.110	18	0.070	4.8
2000T-86	49	10	10	43	2.61	1.58	4.02	0.52	0.75	59	10	9	47	5	7.0	5	0.164	37	0.030	2.3
2000T-87	64	10	10	46	3.42	1.37	1.10	0.71	0.54	39	13	12	67	7	8.0	5	0.183	29	0.020	3.0
2000T-88	51	10	10	35	2.27	1.87	5.88	0.47	0.62	71	10	8	43	3	6.0	5	0.149	30	0.040	4.7
2000T-89	60	10	10	67	2.91	1.08	0.51	0.55	0.43	31	13	10	47	6	7.0	5	0.181	24	0.010	3.1
2000T-90	48	10	10	27	2.09	2.02	7.32	0.60	0.41	84	9	7	38	3	5.0	5	0.124	17	0.060	9.5
2000T-91	33	10	10	24	1.44	1.55	10.00	0.52	0.22	124	8	3	23	3	2.5	5	0.070	5	0.110	5.1
2000T-93	32	10	10	25	1.66	1.49	10.00	0.63	0.28	108	7	4	27	3	2.5	5	0.070	7	0.130	4.1
2000T-94	45	10	10	30	2.45	2.04	5.63	1.07	0.32	62	11	7	38	5	6.0	5	0.090	7	0.070	6.2
2000T-96	30	10	10	25	1.41	1.49	10.00	0.54	0.22	121	8	3	23	3	2.5	5	0.071	5	0.110	5.4
2000T-97	51	10	10	33	2.64	2.00	3.02	1.13	0.37	47	14	8	43	6	7.0	5	0.084	7	0.070	7.0
2000T-98	40	10	10	30	1.89	1.90	8.73	0.82	0.30	84	10	4	28	3	2.5	5	0.069	5	0.100	6.4
2000T-99	56	10	10	35	2.71	1.93	2.35	0.53	0.62	50	10	8	53	5	6.0	5	0.144	25	0.030	1.9
2000T-100	30	10	10	29	1.45	2.10	10.00	0.36	0.30	112	8	3	27	2	2.5	5	0.092	11	0.100	3.8

Sample Site	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Tl	Zr	S	AsHY
	ppm	ppm	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm
2000T-101	56	10	10	34	3.46	1.85	1.72	0.81	0.60	40	11	10	56	6	8.0	5	0.136	17	0.030	2.6
2000T-102-1 Analytical Duplicate	25	10	10	23	1.40	1.46	10.00	0.53	0.19	94	9	2	21	2	2.5	5	0.060	5	0.130	5.4
2000T-102-2 Analytical Duplicate	31	10	10	30	1.78	1.46	10.00	0.66	0.21	84	11	4	26	3	2.5	5	0.065	6	0.120	4.9
2000T-104	31	10	10	31	1.60	2.02	10.00	0.47	0.30	105	9	3	29	3	2.5	5	0.090	11	0.100	4.2
2000T-106	37	10	10	32	1.84	2.31	9.78	0.49	0.34	92	8	4	35	2	2.5	5	0.112	14	0.080	3.0
2000T-107	23	10	10	22	1.17	1.56	10.00	0.48	0.20	111	7	1	19	2	2.5	5	0.061	4	0.140	3.1
2000T-108	24	10	10	24	1.24	1.72	10.00	0.47	0.14	109	8	1	19	2	2.5	5	0.064	6	0.120	3.1
2000T-109	30	10	10	29	1.52	2.33	10.00	0.50	0.19	92	9	1	24	3	2.5	5	0.094	7	0.080	4.1
2000T-110	50	10	10	32	2.80	2.04	4.52	0.67	0.32	57	11	7	41	4	7.0	5	0.107	12	0.050	4.8
2000T-112	43	10	10	29	2.25	1.83	9.23	0.56	0.43	81	9	6	37	3	5.0	5	0.105	16	0.070	5.0
2000T-113	40	10	10	30	2.02	1.91	9.43	0.54	0.31	77	9	5	33	3	2.5	5	0.103	9	0.070	3.2
2000T-114	22	10	10	23	1.10	1.61	10.00	0.42	0.21	205	7	1	19	2	2.5	5	0.063	8	0.140	4.0
2000T-115	39	10	10	29	1.96	2.23	9.26	0.68	0.30	77	10	4	31	4	5.0	5	0.099	6	0.090	4.8
2000T-116	39	10	10	28	1.91	2.26	8.87	0.55	0.39	83	8	4	35	3	2.5	5	0.111	16	0.060	5.0
2000T-117	14	10	10	17	0.67	1.32	10.00	0.38	0.09	129	6	1	10	1	2.5	5	0.040	3	0.150	1.4
2000T-118	38	10	10	32	1.92	2.26	10.00	0.43	0.45	99	8	4	36	3	2.5	5	0.107	18	0.070	4.1
2000T-119	35	10	10	31	1.73	2.31	10.00	0.36	0.41	93	8	4	33	2	2.5	5	0.111	18	0.070	3.2
2000T-120	33	10	10	28	1.54	2.29	10.00	0.46	0.33	94	8	3	27	3	2.5	5	0.103	10	0.070	5.0
2000T-121	32	10	10	29	1.49	2.08	10.00	0.42	0.29	133	8	3	28	2	2.5	5	0.094	16	0.090	4.8
2000T-122	32	10	10	30	1.63	1.82	10.00	0.48	0.27	105	9	3	27	3	2.5	5	0.086	8	0.120	5.4
2000T-124	39	10	10	27	1.93	2.10	8.28	0.47	0.39	77	9	4	34	3	2.5	5	0.108	12	0.060	5.2
2000T-125	36	10	10	31	1.91	1.82	10.00	0.60	0.29	90	10	4	31	3	2.5	5	0.091	7	0.100	4.7
2000T-126	34	10	10	30	1.48	1.77	10.00	0.42	0.24	123	9	3	25	2	2.5	5	0.083	7	0.120	4.3
2000T-127	38	10	10	30	1.74	2.25	9.74	0.55	0.37	96	9	4	31	3	2.5	5	0.109	10	0.080	6.0
2000T-128	43	10	10	33	2.36	2.02	6.51	0.68	0.26	63	12	6	38	4	6.0	5	0.100	8	0.070	4.2
2000T-129	31	10	10	31	1.67	1.85	9.26	0.79	0.14	61	10	2	25	4	2.5	5	0.060	5	0.110	3.4
2000T-130-1 Analytical Duplicate	51	10	10	33	2.68	2.06	3.24	0.73	0.47	49	10	7	46	5	6.0	5	0.129	15	0.040	3.4
2000T-130-2 Analytical Duplicate	51	10	10	35	2.86	1.99	2.56	0.67	0.49	45	10	7	48	6	6.0	5	0.127	14	0.030	3.1
2000T-131	41	10	10	29	1.85	2.08	10.00	0.51	0.31	90	9	4	30	3	2.5	5	0.094	10	0.090	5.8
2000T-132	59	10	10	37	3.06	1.85	2.03	0.84	0.41	45	13	8	48	6	7.0	5	0.135	14	0.030	4.6
2000T-133	39	10	10	31	1.71	2.27	8.47	0.42	0.34	82	9	4	29	2	2.5	5	0.112	20	0.060	4.8
2000T-134	46	10	10	33	2.81	1.81	6.51	0.93	0.36	80	9	7	49	4	6.0	5	0.103	10	0.060	5.8
2000T-135	38	10	10	36	2.19	2.55	10.00	0.52	0.44	106	9	6	35	3	5.0	5	0.125	18	0.060	2.9
2000T-136	52	10	10	38	2.62	2.01	7.84	0.57	0.51	85	11	9	41	4	7.0	5	0.166	25	0.030	4.6
2000T-137-1 Analytical Duplicate	46	10	10	36	2.32	1.93	10.00	0.54	0.39	130	11	7	35	4	6.0	5	0.134	18	0.050	6.6
2000T-137-2 Analytical Duplicate	49	10	10	32	2.56	1.91	9.83	0.66	0.40	111	10	7	38	5	6.0	5	0.138	14	0.050	6.3
2000T-138	43	10	10	36	2.03	1.88	10.00	0.51	0.38	111	11	6	30	4	6.0	5	0.121	20	0.060	6.7
2000T-139	61	10	10	38	2.97	2.10	3.30	0.83	0.50	54	13	9	44	5	8.0	5	0.174	16	0.030	6.1
2000T-140	27	10	10	33	1.53	1.83	10.00	0.44	0.20	97	11	3	21	3	2.5	5	0.093	5	0.070	3.9
2000T-142	36	10	10	36	1.71	2.30	10.00	0.46	0.36	101	10	4	26	3	5.0	5	0.130	8	0.050	4.9
2000T-143	22	10	10	23	1.31	1.32	10.00	0.50	0.18	99	8	2	17	3	2.5	5	0.060	2	0.110	2.4
2000T-146	29	10	10	28	1.48	1.78	10.00	0.41	0.26	116	11	4	20	3	2.5	5	0.090	6	0.090	3.2
2000T-148	68	10	10	46	3.59	1.27	0.58	0.65	0.49	38	12	11	49	5	9.0	5	0.197	30	0.005	3.5
2000T-149-1 Analytical Duplicate	30	10	10	29	1.79	1.65	10.00	0.39	0.27	92	10	5	22	3	2.5	5	0.098	7	0.070	3.8
2000T-149-2 Analytical Duplicate	26	10	10	26	1.45	1.44	10.00	0.37	0.22	94	9	4	18	2	2.5	5	0.083	6	0.080	3.8
2000T-151	45	10	10	41	2.97	1.95	3.95	1.28	0.23	44	18	8	36	5	6.0	5	0.068	5	0.120	4.6
2000T-152	74	10	10	63	3.61	1.37	0.90	0.68	0.67	53	19	12	54	5	10.0	5	0.201	17	0.010	5.2
2000T-153	33	10	10	35	1.74	1.64	10.00	0.44	0.25	95	12	5	22	4	2.5	5	0.110	8	0.080	3.1
2000T-154	48	10	10	41	2.31	2.09	9.20	0.49	0.60	89	12	7	36	3	7.0	5	0.164	20	0.040	5.9

Sample Site	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr	S	AsHY
	ppm	ppm	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm
2000T-155	30	10	10	30	1.44	1.36	10.00	0.41	0.23	144	10	4	19	3	2.5	5	0.094	5	0.090	2.7
2000T-157	40	10	10	35	1.70	1.99	10.00	0.46	0.25	103	11	5	26	4	5.0	5	0.127	11	0.050	4.7
2000T-159	47	10	10	37	2.20	2.08	8.57	0.48	0.47	93	11	5	35	3	7.0	5	0.164	12	0.030	4.4
2000T-160	54	10	10	31	2.53	2.01	5.20	0.93	0.39	61	11	6	35	6	7.0	5	0.127	8	0.040	3.5
2000T-161	51	10	10	41	2.49	1.85	10.00	0.64	0.47	114	12	7	39	4	7.0	5	0.142	15	0.050	8.4
2000T-162	45	10	10	40	2.31	1.36	10.00	0.54	0.34	160	13	7	33	6	6.0	5	0.142	10	0.080	3.5
2000T-165	61	10	10	94	5.06	1.52	1.67	1.19	0.91	61	29	12	64	7	13.0	5	0.166	21	0.050	3.5
2000T-166	31	10	10	27	1.55	1.72	10.00	0.52	0.30	228	9	3	24	3	2.5	5	0.090	6	0.090	3.2
2000T-167	27	10	10	35	1.36	1.57	10.00	0.38	0.23	135	12	3	19	3	2.5	5	0.089	4	0.100	2.3
2000T-169	40	10	10	44	2.22	2.52	10.00	0.48	0.44	104	11	5	33	3	6.0	5	0.148	23	0.050	2.0
2000T-170	52	10	10	36	2.75	1.93	6.74	0.63	0.51	70	12	8	41	5	7.0	5	0.159	17	0.040	4.3
2000T-171-1 Analytical Duplicate	45	10	10	29	2.50	2.32	9.14	0.62	0.39	82	10	6	36	5	6.0	5	0.137	6	0.050	5.4
2000T-171-2 Analytical Duplicate	45	10	10	30	2.37	2.19	10.00	0.60	0.42	95	10	7	34	4	6.0	5	0.139	11	0.050	6.2
2000T-173	36	10	10	27	2.26	1.94	10.00	0.66	0.33	72	9	7	30	4	2.5	5	0.083	3	0.080	8.4
2000T-174	46	10	10	58	2.30	1.53	10.00	1.20	0.22	63	20	5	29	6	5.0	5	0.073	4	0.140	22.7
2000T-175	42	10	10	35	1.95	1.95	10.00	0.58	0.28	98	11	7	28	3	6.0	5	0.129	15	0.050	4.3
2000T-177	37	10	10	37	1.91	1.76	10.00	0.62	0.26	71	14	6	27	4	5.0	5	0.103	3	0.060	5.6
2000T-178	58	10	10	37	2.98	1.86	7.43	0.91	0.38	68	13	9	43	4	8.0	5	0.137	14	0.040	6.8
2000T-179-1 Analytical Duplicate	44	10	10	28	2.11	1.94	10.00	0.92	0.24	67	10	7	28	4	6.0	5	0.116	11	0.050	8.5
2000T-179-2 Analytical Duplicate	49	10	10	29	2.50	2.15	8.11	0.75	0.32	69	11	7	35	4	7.0	5	0.140	14	0.040	6.1
2000T-180	49	10	10	44	2.32	2.09	9.19	0.49	0.50	89	11	8	41	3	7.0	5	0.146	27	0.040	4.0
2000T-182	55	10	10	36	3.02	1.81	8.21	0.65	0.43	74	12	11	40	3	7.0	5	0.137	16	0.040	5.2
2000T-201	50	10	10	35	2.69	1.82	9.09	0.68	0.44	81	11	8	38	3	7.0	5	0.132	18	0.040	5.0
2000T-202	43	10	10	29	2.43	2.06	8.20	0.88	0.29	65	12	7	30	4	6.0	5	0.108	4	0.050	7.2
2000T-203	37	10	10	29	1.98	1.99	10.00	1.03	0.26	82	11	5	24	3	5.0	5	0.094	2	0.070	7.6
2000T-204	61	10	10	30	2.86	1.70	8.07	0.88	0.37	71	11	9	39	5	7.0	5	0.112	9	0.050	10.6
2000T-205	70	10	10	37	3.48	1.98	3.70	0.92	0.35	50	18	10	49	7	9.0	5	0.145	12	0.060	24.0
2000T-206	31	10	10	30	2.04	1.74	10.00	0.58	0.27	97	11	5	24	3	5.0	5	0.083	3	0.070	4.3
2000T-207	47	10	10	34	2.22	1.80	10.00	0.60	0.28	82	11	8	31	5	6.0	5	0.118	7	0.050	5.2
2000T-209	53	10	10	35	3.05	1.85	8.92	0.57	0.48	78	11	10	41	4	7.0	5	0.122	11	0.050	6.8
2000T-210	40	10	10	33	2.24	1.86	10.00	0.69	0.20	69	12	6	27	3	6.0	5	0.104	4	0.060	7.6
2000T-211	43	10	10	37	2.31	2.27	10.00	0.52	0.42	96	10	7	34	3	6.0	5	0.122	14	0.050	4.2
2000T-212	38	10	10	32	2.04	2.13	10.00	0.43	0.32	100	10	6	28	3	6.0	5	0.125	13	0.050	5.3
2000T-213	27	10	10	34	1.63	1.49	10.00	1.45	0.17	69	17	3	16	2	2.5	5	0.047	3	0.100	9.2
2000T-215	46	10	10	30	2.33	1.89	10.00	0.64	0.36	84	10	7	31	4	6.0	5	0.116	9	0.050	5.4
2000T-216	35	10	10	29	1.96	2.17	10.00	0.48	0.31	93	10	5	24	3	5.0	5	0.102	6	0.060	4.8
2000T-217	58	10	10	54	3.18	1.77	3.99	2.74	0.21	49	32	8	28	5	8.0	5	0.043	5	0.170	11.8
2000T-218-1 Analytical Duplicate	44	10	10	28	2.30	1.98	8.86	0.59	0.32	73	10	7	32	4	6.0	5	0.132	12	0.040	6.0
2000T-218-2 Analytical Duplicate	49	10	10	29	2.76	1.98	8.21	0.68	0.32	72	10	9	37	4	6.0	5	0.130	13	0.050	3.8
2000T-219	42	10	10	31	2.28	2.00	10.00	0.45	0.37	91	10	5	30	3	6.0	5	0.114	10	0.050	3.5
2000T-220	41	10	10	31	2.22	1.95	10.00	0.44	0.37	91	10	5	29	3	6.0	5	0.108	9	0.050	3.8
2000T-221	40	10	10	33	1.99	2.13	10.00	0.41	0.30	96	10	4	27	4	6.0	5	0.127	14	0.040	2.9
2000T-222	32	10	10	30	1.98	1.93	10.00	0.32	0.30	104	10	3	24	3	2.5	5	0.100	9	0.070	3.2
2000T-223	44	10	10	31	2.75	2.16	9.77	0.76	0.35	78	14	7	32	4	7.0	5	0.108	5	0.060	4.6
2000T-224	33	10	10	29	1.85	2.11	10.00	0.45	0.26	107	10	3	23	3	2.5	5	0.096	8	0.060	3.7
2000T-225	49	10	10	36	3.12	1.96	10.00	0.54	0.49	95	12	6	39	3	7.0	5	0.136	20	0.050	4.3
2000T-226	49	10	10	36	2.46	2.07	9.39	0.58	0.38	87	12	5	34	3	7.0	5	0.142	13	0.040	5.0
2000T-227	43	10	10	36	2.03	2.29	10.00	0.50	0.41	106	11	4	30	2	6.0	5	0.137	13	0.060	7.4
2000T-228	40	10	10	26	2.28	2.10	10.00	0.86	0.36	75	9	5	31	3	5.0	5	0.092	3	0.070	7.9

Sample Site	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr	S	AsHY
	ppm	ppm	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm
2000T-229	60	10	10	32	3.40	1.97	7.68	0.90	0.31	57	16	8	39	6	8.0	5	0.114	10	0.070	9.1
2000T-230	53	10	10	36	3.05	2.91	4.22	0.98	0.47	50	17	6	37	4	9.0	5	0.106	3	0.060	5.0
2000T-231-1 Analytical Duplicate	61	10	10	32	3.33	2.05	5.54	0.71	0.38	63	14	8	42	5	8.0	5	0.147	12	0.050	6.0
2000T-231-2 Analytical Duplicate	56	10	10	31	3.00	1.83	5.79	0.70	0.36	64	13	7	39	6	7.0	5	0.140	10	0.040	7.4
2000T-232	51	10	10	34	2.84	2.14	7.41	1.06	0.25	55	17	6	32	4	7.0	5	0.087	4	0.080	7.8
2000T-233	32	10	10	31	2.01	2.12	10.00	0.43	0.33	126	10	3	25	2	5.0	5	0.094	11	0.060	4.4
2000T-234	45	10	10	32	2.28	2.06	9.67	0.58	0.42	92	11	5	34	4	7.0	5	0.138	19	0.040	6.1
2000T-235	45	10	10	32	2.15	2.02	9.55	0.57	0.35	98	11	4	31	3	7.0	5	0.143	17	0.040	4.7
2000T-236	42	10	10	31	2.30	1.68	10.00	0.51	0.37	95	11	6	32	3	6.0	5	0.111	11	0.060	3.9
2000T-237	48	10	10	33	2.78	2.31	8.47	0.82	0.43	77	15	6	34	3	8.0	5	0.122	7	0.050	6.3
2000T-238	51	10	10	32	2.51	1.93	9.24	0.61	0.44	92	10	7	37	4	7.0	5	0.147	19	0.040	7.5
2000T-239	60	10	10	32	2.98	1.98	5.73	0.90	0.43	57	14	8	41	4	8.0	5	0.148	12	0.050	10.0
2000T-240	57	10	10	31	2.83	1.96	7.14	0.80	0.44	72	13	7	40	4	8.0	5	0.144	12	0.050	8.5
2000T-241	48	10	10	33	2.57	1.83	10.00	0.68	0.45	94	12	7	35	4	7.0	5	0.123	9	0.050	6.1
2000T-242	57	10	10	28	2.67	2.02	6.47	0.98	0.40	68	14	7	40	5	7.0	5	0.122	8	0.060	9.6
2000T-243	34	10	10	32	1.95	1.71	10.00	0.56	0.34	110	11	5	25	3	5.0	5	0.095	6	0.060	5.9
2000T-244	44	10	10	31	2.17	2.49	10.00	0.70	0.37	94	12	5	32	4	6.0	5	0.114	5	0.050	12.0
2000T-245	50	10	10	34	2.78	2.10	8.98	0.88	0.30	72	14	6	40	5	7.0	5	0.123	5	0.060	7.9
2000T-246	47	10	10	31	2.49	1.85	10.00	0.58	0.45	90	11	6	34	3	6.0	5	0.121	13	0.060	5.9
2000T-247	34	10	10	28	1.95	2.15	10.00	0.64	0.24	101	11	4	24	4	5.0	5	0.095	4	0.070	6.2
2000T-248	49	10	10	32	2.74	2.01	9.59	0.63	0.37	86	12	7	36	4	7.0	5	0.139	10	0.050	6.2
2000T-249	50	10	10	28	2.60	2.01	8.10	0.88	0.39	70	12	6	36	4	7.0	5	0.127	6	0.050	8.4
2000T-250-1 Analytical Duplicate	59	10	10	35	3.47	2.15	6.05	1.02	0.39	61	20	8	46	5	9.0	5	0.120	11	0.080	11.5
2000T-250-2 Analytical Duplicate	56	10	10	30	3.02	2.28	5.14	0.88	0.36	58	19	6	39	5	8.0	5	0.118	9	0.060	10.8
2000T-251	37	10	10	31	2.12	2.05	10.00	0.51	0.34	107	12	4	29	3	6.0	5	0.103	5	0.060	6.2
2000T-252	39	10	10	29	2.26	1.56	10.00	0.61	0.40	94	11	4	30	3	6.0	5	0.094	8	0.060	5.4
2000T-253	41	10	10	31	2.12	2.17	10.00	0.57	0.37	89	12	4	37	3	6.0	5	0.121	5	0.060	7.1
2000T-254	40	10	10	31	2.10	1.88	10.00	0.58	0.38	87	14	5	31	3	6.0	5	0.109	6	0.060	6.3
2000T-255	47	10	10	31	2.22	2.31	9.63	0.62	0.36	89	12	5	32	5	6.0	5	0.138	14	0.050	6.9
2000T-256	59	10	10	29	2.75	2.16	5.15	0.87	0.39	65	14	7	39	5	8.0	5	0.152	15	0.040	8.0
2000T-257	104	10	10	71	7.20	1.14	0.78	1.11	0.31	39	29	15	67	10	16.0	5	0.117	26	0.020	9.9
2000T-258	34	10	10	27	2.17	1.25	10.00	0.89	0.15	73	13	5	23	3	2.5	5	0.060	5	0.100	4.8
2000T-259	48	10	10	31	2.52	2.23	10.00	0.62	0.38	106	12	5	36	3	7.0	5	0.128	11	0.060	6.9
2000T-260	42	10	10	34	1.99	2.28	10.00	0.54	0.37	115	11	5	29	3	6.0	5	0.128	15	0.060	5.9
2000T-261	60	10	10	37	3.36	2.07	4.38	1.12	0.44	56	23	7	41	6	10.0	5	0.123	8	0.050	9.1
2000T-262	51	10	10	28	2.82	1.87	7.42	0.75	0.30	67	13	7	36	5	7.0	5	0.126	9	0.060	7.0
2000T-263	56	10	10	25	3.04	1.97	6.53	0.91	0.39	61	12	7	41	5	7.0	5	0.133	14	0.050	12.2
2000T-264	39	10	10	28	2.01	2.01	10.00	0.57	0.23	93	12	4	25	3	6.0	5	0.102	5	0.070	5.8
2000T-265-1 Analytical Duplicate	54	10	10	32	2.81	1.86	10.00	0.60	0.47	93	13	7	37	4	8.0	5	0.135	14	0.050	6.9
2000T-265-2 Analytical Duplicate	40	10	10	24	2.26	1.41	10.00	0.61	0.34	86	9	5	28	4	5.0	5	0.097	7	0.070	4.7
2000T-266	29	10	10	20	1.75	1.19	10.00	0.53	0.24	91	8	4	21	3	2.5	5	0.076	5	0.080	4.3
2000T-267	42	10	10	26	2.01	2.19	8.37	1.01	0.22	65	13	4	25	4	5.0	5	0.102	6	0.060	9.8
2000T-268	36	10	10	29	1.97	2.00	10.00	0.79	0.23	85	11	3	24	4	5.0	5	0.094	2	0.070	6.0
2000T-269	60	10	10	30	3.28	2.21	5.46	0.98	0.31	51	18	7	42	5	8.0	5	0.117	10	0.060	7.6
2000T-270	61	10	10	31	3.07	1.87	6.70	0.68	0.54	77	12	7	43	3	8.0	5	0.158	25	0.030	6.3
2000T-271	49	10	10	29	2.63	1.72	10.00	0.45	0.42	80	10	6	34	4	6.0	5	0.125	15	0.050	5.9
2000T-272	53	10	10	29	2.67	2.44	6.47	0.84	0.31	60	14	5	37	4	7.0	5	0.133	6	0.050	10.3
2000T-273	37	10	10	34	1.74	2.15	10.00	0.49	0.24	111	11	5	25	3	5.0	5	0.122	9	0.060	5.2
2000T-274	44	10	10	30	2.44	1.64	10.00	0.67	0.36	91	11	4	31	4	6.0	5	0.112	11	0.060	5.0

Sample Site	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr	S	AsHY
	ppm	ppm	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm
2000T-275	56	10	10	33	2.72	1.89	8.36	0.69	0.42	84	12	6	40	4	8.0	5	0.147	11	0.040	7.8
2000T-276	50	10	10	33	2.71	1.86	6.76	1.02	0.30	59	15	6	31	5	7.0	5	0.097	6	0.080	9.1
2000T-277	32	10	10	30	1.96	1.88	10.00	0.54	0.29	110	11	4	24	3	5.0	5	0.084	4	0.080	5.4
2000T-278	59	10	10	38	3.41	2.16	4.49	0.92	0.42	54	16	8	44	6	8.0	5	0.132	6	0.060	8.5
2000T-279	47	10	10	33	2.53	1.75	10.00	0.55	0.44	87	11	6	35	4	7.0	5	0.127	17	0.050	5.6
2000T-280	61	10	10	35	3.35	1.92	5.20	0.80	0.60	68	13	9	46	4	9.0	5	0.148	15	0.040	8.8
2000T-281-1 Analytical Duplicate	38	10	10	30	2.32	1.99	10.00	0.55	0.36	102	10	4	29	3	6.0	5	0.108	6	0.060	5.2
2000T-281-2 Analytical Duplicate	56	10	10	44	3.20	2.21	5.90	0.92	0.52	66	19	7	41	4	10.0	5	0.119	5	0.060	5.3
2000T-282	40	10	10	30	2.26	1.81	10.00	0.66	0.36	104	11	5	29	3	6.0	5	0.102	7	0.060	4.8
2000T-283	54	10	10	33	2.53	1.83	7.24	0.84	0.34	74	14	6	37	4	7.0	5	0.130	9	0.050	8.5
2000T-284	50	10	10	32	2.61	2.07	7.85	0.82	0.39	74	14	6	34	5	7.0	5	0.132	7	0.050	7.2
2000T-285	31	10	10	26	1.80	1.65	10.00	0.53	0.29	88	8	4	25	3	2.5	5	0.086	4	0.070	3.1
2000T-286	38	10	10	36	2.12	2.30	10.00	0.74	0.34	106	15	3	28	3	7.0	5	0.103	4	0.060	6.2
2000T-287	48	10	10	36	2.19	2.51	10.00	0.59	0.37	89	14	4	28	4	7.0	5	0.116	5	0.070	14.2
2000T-288	68	10	10	44	3.60	1.89	3.72	1.75	0.35	53	22	7	49	7	9.0	5	0.084	8	0.120	9.3
2000T-289	37	10	10	32	1.80	1.94	10.00	0.49	0.25	100	11	3	25	3	5.0	5	0.109	14	0.060	6.2
2000T-290	50	10	10	34	2.86	1.85	9.18	0.71	0.31	64	14	6	38	4	7.0	5	0.109	8	0.060	5.5
2000T-291	47	10	10	32	2.47	1.99	10.00	0.60	0.41	76	11	6	37	4	7.0	5	0.135	16	0.050	6.3
2000T-292	45	10	10	27	2.52	2.15	10.00	0.69	0.27	74	12	5	32	3	6.0	5	0.111	10	0.070	6.8
2000T-293	59	10	10	30	3.42	2.11	5.96	0.93	0.40	55	16	7	45	5	9.0	5	0.123	16	0.050	7.0
2000T-294	59	10	10	37	3.31	2.04	2.96	0.99	0.34	43	19	7	51	6	9.0	5	0.099	10	0.070	5.1
2000T-295	37	10	10	32	2.29	2.45	10.00	0.56	0.33	95	12	4	28	3	6.0	5	0.105	7	0.060	4.7
2000T-296	37	10	10	33	2.08	2.33	10.00	0.46	0.36	94	10	4	30	3	6.0	5	0.128	21	0.050	4.8
2000T-297	47	10	10	29	2.58	2.27	8.95	0.83	0.27	62	13	5	36	4	6.0	5	0.110	7	0.060	7.0
2000T-298	42	10	10	28	2.08	2.31	9.65	0.44	0.32	75	10	4	30	3	6.0	5	0.146	20	0.040	5.2
2000T-299	39	10	10	25	2.21	1.97	10.00	0.61	0.25	76	9	5	28	4	5.0	5	0.112	10	0.060	4.7
2000T-300	50	10	10	32	2.88	1.91	9.85	0.47	0.40	74	11	6	37	4	7.0	5	0.120	14	0.040	4.4
2000T-301	40	10	10	29	2.22	2.18	10.00	0.60	0.29	79	11	5	29	4	6.0	5	0.113	9	0.060	5.4
2000T-302	45	10	10	36	2.50	2.14	10.00	0.59	0.44	77	14	6	34	5	7.0	5	0.150	15	0.050	4.7
2000T-303	41	10	10	28	2.12	2.19	10.00	0.50	0.38	83	10	5	31	3	6.0	5	0.134	20	0.040	6.0
2000T-304	43	10	10	29	2.27	2.19	9.86	0.53	0.36	77	11	4	32	5	6.0	5	0.135	18	0.050	5.6
2000T-305	39	10	10	26	2.22	2.21	10.00	0.51	0.25	75	10	3	29	3	6.0	5	0.125	12	0.050	6.2
2000T-306	43	10	10	31	2.34	2.35	10.00	0.45	0.29	70	12	5	32	4	6.0	5	0.136	12	0.050	5.5
2000T-307	45	10	10	34	2.26	2.12	10.00	0.61	0.30	63	13	5	30	4	6.0	5	0.124	12	0.070	8.1
2000T-309	64	10	10	52	4.04	1.75	3.67	0.96	0.37	43	22	10	58	7	10.0	5	0.126	14	0.060	5.2
2000T-310-1 Analytical Duplicate	46	10	10	31	2.73	1.96	9.39	0.64	0.28	67	12	6	33	5	6.0	5	0.127	7	0.060	5.2
2000T-310-2 Analytical Duplicate	41	10	10	29	2.10	2.12	10.00	0.44	0.26	81	10	4	27	3	6.0	5	0.138	13	0.050	4.7
2000T-311	56	10	10	31	3.28	2.01	6.61	0.69	0.51	66	12	9	44	4	8.0	5	0.152	24	0.030	5.5
2000T-312	44	10	10	33	2.22	2.12	10.00	0.53	0.35	84	11	5	31	3	6.0	5	0.141	18	0.040	5.7
2000T-313	47	10	10	28	2.48	2.29	8.82	0.55	0.33	70	10	5	34	3	6.0	5	0.159	20	0.040	5.9
2000T-315	57	10	10	33	3.25	1.95	3.69	0.69	0.45	48	14	9	61	6	8.0	5	0.130	11	0.050	3.9
2000T-316	43	10	10	30	2.45	2.40	10.00	0.53	0.36	74	11	5	44	4	6.0	5	0.138	14	0.050	4.3
2000T-317	53	10	10	31	3.15	2.34	3.92	0.76	0.34	46	16	6	42	6	8.0	5	0.128	8	0.040	7.1
2000T-319	46	10	10	31	2.34	2.07	9.58	0.53	0.39	77	11	5	34	3	6.0	5	0.141	21	0.040	5.9
2000T-320	43	10	10	30	2.35	2.34	8.57	0.45	0.43	72	10	6	34	3	6.0	5	0.144	19	0.040	5.2
2000T-324	48	10	10	34	2.47	2.05	10.00	0.58	0.46	77	12	6	34	3	6.0	5	0.146	15	0.050	4.7
2000T-325	45	10	10	29	2.37	2.13	10.00	0.47	0.34	78	11	5	30	3	6.0	5	0.151	23	0.040	11.6
2000T-326	36	10	10	32	2.01	2.26	10.00	0.45	0.33	97	10	4	27	2	6.0	5	0.117	16	0.060	4.5
2000T-328	73	10	10	52	4.05	1.49	0.52	0.84	0.65	35	14	12	52	6	11.0	5	0.210	38	0.005	4.3

Sample Site	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Tl	Zr	S	AsHY
	ppm	ppm	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm
2000T-329-1 Analytical Duplicate	55	10	10	29	2.96	2.77	5.18	0.88	0.32	46	15	6	35	5	7.0	5	0.126	10	0.050	12.1
2000T-329-2 Analytical Duplicate	54	10	10	32	3.01	2.44	5.23	0.89	0.30	45	13	7	38	6	7.0	5	0.141	15	0.040	9.9
2000T-330	46	10	10	31	2.60	2.14	9.94	0.61	0.39	77	11	5	35	5	7.0	5	0.148	18	0.040	5.4
2000T-331	43	10	10	35	2.50	2.15	10.00	0.58	0.41	81	12	6	34	3	6.0	5	0.151	21	0.050	4.0
2000T-333	39	10	10	30	2.28	2.27	10.00	0.49	0.37	88	10	4	32	3	6.0	5	0.135	19	0.040	4.9
2000T-334	51	10	10	33	2.74	2.09	4.49	0.66	0.46	55	11	8	40	5	7.0	5	0.163	21	0.020	3.4
2000T-335	48	10	10	29	2.97	2.27	8.63	0.70	0.28	66	13	6	38	5	7.0	5	0.122	11	0.060	6.7
2000T-336	41	10	10	29	2.19	2.18	8.71	0.48	0.28	71	10	4	30	3	6.0	5	0.137	16	0.040	3.7
2000T-337	51	10	10	30	3.03	1.86	6.83	0.74	0.25	52	13	7	42	5	7.0	5	0.108	12	0.050	5.9
2000T-339	42	10	10	32	2.46	2.12	10.00	0.54	0.40	84	10	5	33	3	6.0	5	0.128	23	0.050	4.3
2000T-341	51	10	10	31	2.85	2.30	3.81	0.80	0.38	44	13	6	43	4	7.0	5	0.133	8	0.040	7.1
2000T-343	42	10	10	32	2.58	2.12	10.00	0.47	0.40	83	11	5	34	3	6.0	5	0.135	21	0.050	4.2
2000T-344	48	10	10	31	2.92	1.95	8.36	0.61	0.43	74	11	7	36	3	7.0	5	0.142	27	0.030	4.7
2000T-345-1 Analytical Duplicate	38	10	10	29	2.09	2.09	10.00	0.46	0.20	80	11	5	27	3	5.0	5	0.119	10	0.050	4.4
2000T-345-2 Analytical Duplicate	44	10	10	30	2.43	2.04	10.00	0.53	0.24	70	11	4	31	5	6.0	5	0.116	10	0.060	4.7
2000T-346	44	10	10	30	2.67	1.91	9.90	0.46	0.37	71	10	6	34	3	6.0	5	0.115	14	0.040	3.7
2000T-347	55	10	10	31	2.96	1.87	6.15	0.69	0.40	57	14	8	47	6	7.0	5	0.117	11	0.050	5.9
2000T-348	37	10	10	34	1.91	2.10	10.00	0.35	0.31	82	11	4	28	3	5.0	5	0.132	17	0.050	4.2
2000T-349	43	10	10	34	2.61	2.40	9.22	0.50	0.42	75	10	6	38	3	6.0	5	0.134	23	0.040	3.3
2000T-350	43	10	10	27	2.28	2.27	8.56	0.70	0.33	69	10	5	32	4	6.0	5	0.139	13	0.040	4.5
2000T-351	43	10	10	29	2.51	2.15	8.13	0.65	0.30	60	12	5	32	4	6.0	5	0.143	11	0.050	6.3
2000T-352	49	10	10	32	2.91	2.04	8.85	0.59	0.48	74	11	6	38	4	7.0	5	0.138	17	0.040	5.2
2000T-353	30	10	10	30	1.97	1.97	10.00	0.36	0.24	90	10	3	24	3	2.5	5	0.100	7	0.060	3.8
2000T-354	59	10	10	37	3.65	2.30	3.01	0.90	0.29	43	20	7	49	5	9.0	5	0.112	10	0.060	4.7
2000T-355	48	10	10	61	2.56	3.02	9.16	0.74	0.42	61	19	6	36	5	8.0	5	0.149	4	0.070	6.4
2000T-356	51	10	10	31	3.14	1.90	6.89	0.77	0.28	54	13	7	40	4	7.0	5	0.118	12	0.050	7.9
2000T-357	38	10	10	28	2.35	2.41	10.00	0.61	0.28	76	11	4	28	3	6.0	5	0.117	14	0.050	6.3
2000T-358	43	10	10	32	2.28	2.18	9.19	0.57	0.42	81	11	5	33	3	6.0	5	0.134	14	0.040	3.6
2000T-361	40	10	10	25	2.25	2.66	7.51	1.01	0.31	54	10	3	31	3	5.0	5	0.114	8	0.040	8.6
2000T-362	46	10	10	31	2.77	2.05	8.05	0.66	0.28	61	14	6	32	5	7.0	5	0.127	9	0.060	6.1
2000T-364	58	10	10	32	3.57	2.16	3.73	0.88	0.37	45	16	8	43	6	9.0	5	0.130	13	0.040	8.3
2000T-365	37	10	10	30	2.01	2.22	10.00	0.45	0.35	88	10	3	28	3	6.0	5	0.130	21	0.050	4.5
2000T-366	51	10	10	31	3.57	1.63	5.38	0.94	0.25	45	15	9	40	5	7.0	5	0.088	13	0.070	3.6
2000T-367	42	10	10	30	2.41	2.18	10.00	0.56	0.34	80	11	6	31	3	6.0	5	0.137	19	0.040	4.4
2000T-368	52	10	10	31	2.88	1.78	7.92	0.54	0.33	64	12	7	36	4	7.0	5	0.153	16	0.040	4.3

Appendix T-2

Duplicate Pair ICP-AES, Hg (Cold Vapour - AAS) And As (Hydride Generation) Analyses For The <2 Micron Size Fraction (Clay Fraction) Of Till Samples.

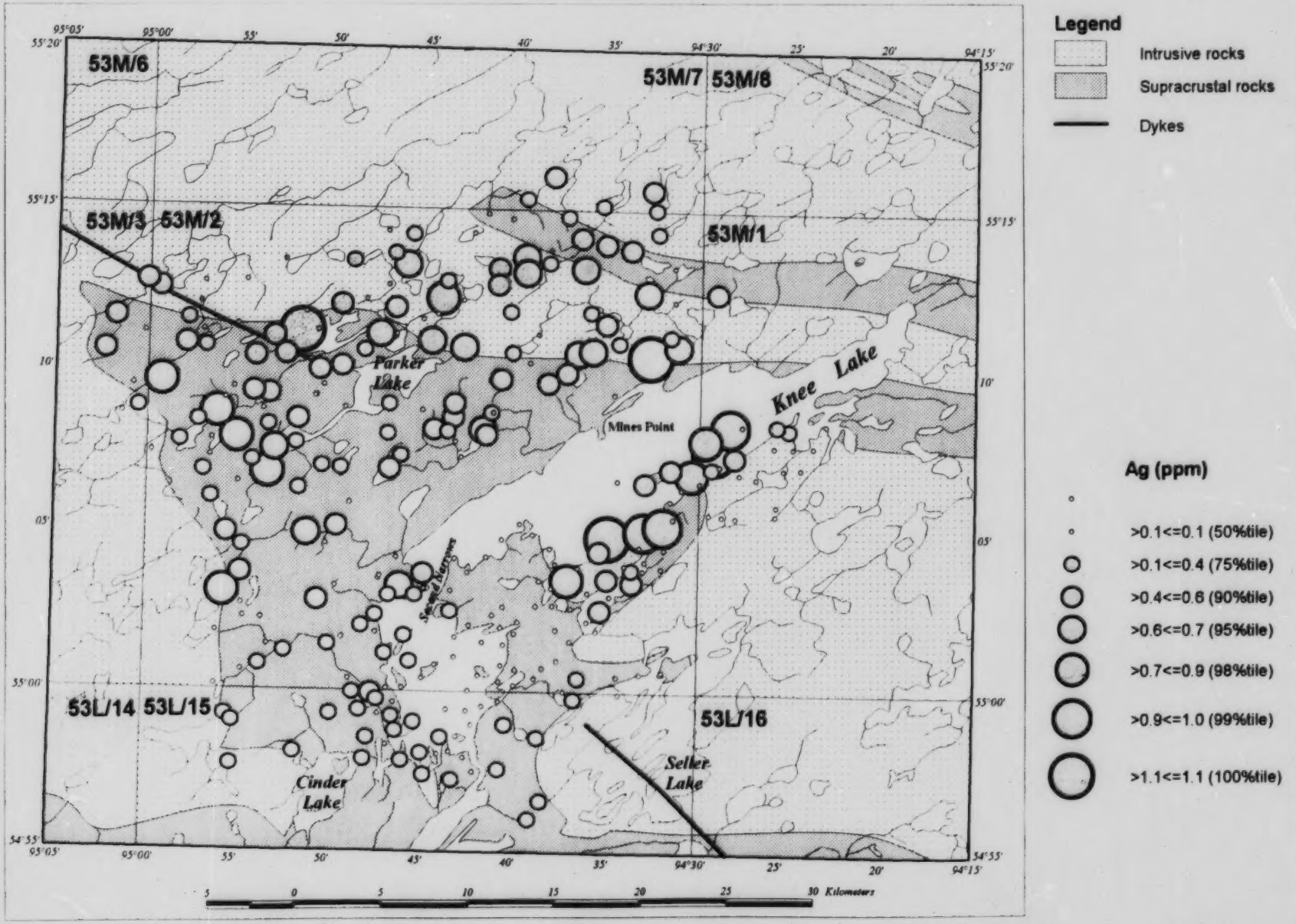
Sample Site	UTM		Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Hg	Fe	Mn	Te	Ba	Cr
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
2000T-16-1 Analytical Duplicate	389243.59	6093479.00	0.1	25	6	25	2.0	18	7	0.3	2.5	2.5	2.5	0.048	1.38	191	5	72	27
2000T-16-2 Analytical Duplicate	389243.59	6093479.00	0.1	19	8	60	1.0	32	11	0.3	2.5	2.5	2.5	0.026	3.10	361	5	95	57
2000T-35-1 Analytical Duplicate	386267.97	6101746.50	0.1	24	7	36	1.0	21	8	0.2	2.5	2.5	2.5	0.045	2.14	273	5	86	40
2000T-35-2 Analytical Duplicate	386267.97	6101746.50	0.1	32	7	61	0.5	35	14	0.1	2.5	10.0	2.5	0.067	3.48	379	5	110	64
2000T-53-1 Analytical Duplicate	399544.66	6095816.50	0.1	42	8	61	1.0	36	13	0.2	2.5	2.5	2.5	0.058	3.17	347	5	120	74
2000T-53-2 Analytical Duplicate	399544.66	6095816.50	0.1	49	8	57	1.0	61	13	0.2	2.5	2.5	2.5	0.061	2.91	409	5	126	69
2000T-69-1 Analytical Duplicate	398290.31	6099503.50	0.1	28	5	51	2.0	25	10	0.2	2.5	2.5	2.5	0.033	2.32	330	5	120	51
2000T-69-2 Analytical Duplicate	398290.31	6099503.50	0.1	26	6	52	1.0	25	11	0.2	2.5	2.5	2.5	0.035	2.41	358	5	121	50
2000T-76-1 Analytical Duplicate	405489.13	6108952.50	0.1	31	5	60	3.0	34	14	0.1	2.5	2.5	2.5	0.043	3.31	357	5	159	70
2000T-76-2 Analytical Duplicate	405489.13	6108952.50	0.1	33	4	58	1.0	33	13	0.1	2.5	2.5	2.5	0.044	3.19	358	5	168	66
2000T-102-1 Analytical Duplicate	392650.41	6096653.00	0.1	26	8	42	1.0	26	9	0.3	2.5	6.0	2.5	0.051	2.05	222	5	109	53
2000T-102-2 Analytical Duplicate	392650.41	6096653.00	0.1	32	6	47	1.0	32	10	0.2	2.5	6.0	2.5	0.083	2.46	255	5	112	63
2000T-130-1 Analytical Duplicate	392870.50	6104868.50	0.1	27	11	86	1.0	48	20	0.1	2.5	2.5	2.5	0.039	3.72	413	5	118	78
2000T-130-2 Analytical Duplicate	392870.50	6104868.50	0.1	28	11	88	0.5	47	21	0.2	2.5	2.5	2.5	0.041	3.71	415	5	120	81
2000T-137-1 Analytical Duplicate	398893.06	6102443.50	0.3	40	15	70	2.0	35	14	0.5	2.5	8.0	2.5	0.062	3.46	530	5	137	69
2000T-137-2 Analytical Duplicate	398893.06	6102443.50	0.4	42	14	72	1.0	38	16	0.3	2.5	6.0	2.5	0.065	3.70	601	5	136	70
2000T-149-1 Analytical Duplicate	402139.66	6105434.00	0.7	15	13	46	2.0	25	10	0.4	2.5	6.0	2.5	0.034	2.25	382	5	89	47
2000T-149-2 Analytical Duplicate	402139.66	6105434.00	1.1	13	12	38	1.0	22	9	0.1	2.5	2.5	5.0	0.033	1.94	345	5	89	40
2000T-171-1 Analytical Duplicate	400308.25	6102973.00	0.3	35	13	70	2.0	41	18	0.1	2.5	6.0	2.5	0.068	3.46	521	5	130	72
2000T-171-2 Analytical Duplicate	400308.25	6102973.00	0.2	39	14	67	0.5	38	16	0.1	2.5	7.0	2.5	0.075	3.51	632	5	129	64
2000T-179-1 Analytical Duplicate	382763.03	6098971.50	0.2	40	19	61	2.0	35	17	0.4	2.5	9.0	2.5	0.086	3.52	715	5	111	57
2000T-179-2 Analytical Duplicate	382763.03	6098971.50	0.3	38	13	72	1.0	39	17	0.2	2.5	7.0	2.5	0.068	3.83	638	5	119	65
2000T-218-1 Analytical Duplicate	389764.00	6111144.00	0.2	37	14	67	2.0	36	15	0.2	2.5	7.0	2.5	0.084	3.48	578	5	101	60
2000T-218-2 Analytical Duplicate	389764.00	6111144.00	0.2	34	8	66	2.0	37	14	0.2	2.5	6.0	2.5	0.062	3.61	415	5	128	70
2000T-231-1 Analytical Duplicate	382258.53	6113338.50	0.1	51	16	81	2.0	48	19	0.4	2.5	7.0	2.5	0.100	4.52	585	10	139	81
2000T-231-2 Analytical Duplicate	382258.53	6113338.50	0.1	37	11	65	1.0	40	14	0.4	2.5	6.0	2.5	0.112	4.03	408	5	118	70

Sample Site	UTM		Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Hg	Fe	Mn	Te	Ba	Cr
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
2000T-250-1 Analytical Duplicate	392449.16	6112208.50	0.1	59	17	82	2.0	48	19	0.4	2.5	9.0	2.5	0.150	4.81	615	5	139	76
2000T-250-2 Analytical Duplicate	392449.16	6112208.50	0.1	49	16	73	2.0	43	16	0.4	2.5	9.0	2.5	0.144	4.52	490	5	112	70
2000T-265-1 Analytical Duplicate	379871.44	6116760.00	0.2	24	13	68	1.0	40	15	0.4	2.5	7.0	2.5	0.049	3.92	500	5	99	69
2000T-265-2 Analytical Duplicate	379871.44	6116760.00	0.7	20	11	49	2.0	29	11	0.1	2.5	2.5	2.5	0.052	2.88	346	5	89	54
2000T-281-1 Analytical Duplicate	375405.56	6111977.50	0.4	15	8	54	2.0	31	13	0.4	2.5	2.5	2.5	0.050	2.96	491	5	104	57
2000T-281-2 Analytical Duplicate	375405.56	6111977.50	0.1	25	13	74	1.0	43	20	0.4	2.5	6.0	2.5	0.097	4.30	619	5	153	79
2000T-310-1 Analytical Duplicate	386862.44	6121457.50	0.4	45	13	81	1.0	44	15	0.1	2.5	9.0	2.5	0.085	3.58	463	5	112	70
2000T-310-2 Analytical Duplicate	386862.44	6121457.50	0.4	36	11	74	2.0	37	15	0.2	2.5	6.0	2.5	0.040	3.03	551	5	104	58
2000T-329-1 Analytical Duplicate	399739.69	6116073.00	0.1	77	17	110	2.0	55	23	0.7	2.5	14.0	2.5	0.154	4.77	655	5	172	75
2000T-329-2 Analytical Duplicate	399739.69	6116073.00	0.3	75	18	109	2.0	55	22	0.3	2.5	15.0	2.5	0.099	4.49	682	5	169	77
2000T-345-1 Analytical Duplicate	373345.66	6119686.50	0.5	37	11	62	1.0	35	14	0.2	2.5	7.0	2.5	0.063	2.89	501	5	108	54
2000T-345-2 Analytical Duplicate	373345.66	6119686.50	0.5	40	14	70	0.5	39	14	0.1	2.5	6.0	2.5	0.060	3.27	426	5	119	63

Sample Site	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr	S	AsHY
	ppm	ppm	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm
2000T-16-1 Analytical Duplicate	17	10	10	17	0.88	1.21	10.00	0.42	0.10	131	7	1	11	2	2.5	5	0.040	2	0.200	3.8
2000T-16-2 Analytical Duplicate	39	10	10	30	2.14	1.81	10.00	0.55	0.38	89	9	5	32	4	2.5	5	0.091	9	0.100	4.8
2000T-35-1 Analytical Duplicate	26	10	10	26	1.33	1.53	10.00	0.46	0.16	108	8	2	19	3	2.5	5	0.074	7	0.120	3.3
2000T-35-2 Analytical Duplicate	46	10	10	33	2.31	2.33	7.24	0.69	0.26	68	12	5	33	5	6.0	5	0.122	10	0.070	10.3
2000T-53-1 Analytical Duplicate	45	10	10	34	2.16	1.81	10.00	0.68	0.29	100	12	5	35	3	5.0	5	0.100	10	0.100	4.0
2000T-53-2 Analytical Duplicate	40	10	10	32	1.84	1.89	10.00	0.58	0.26	126	10	4	32	3	2.5	5	0.102	11	0.100	3.9
2000T-69-1 Analytical Duplicate	32	10	10	32	1.52	2.41	10.00	0.42	0.36	133	8	3	29	2	2.5	5	0.096	16	0.090	2.8
2000T-69-2 Analytical Duplicate	33	10	10	32	1.54	2.10	10.00	0.51	0.34	118	8	3	29	2	2.5	5	0.094	13	0.090	3.0
2000T-76-1 Analytical Duplicate	46	10	10	41	2.21	1.77	5.85	0.55	0.42	69	13	7	38	4	6.0	5	0.138	17	0.050	3.1
2000T-76-2 Analytical Duplicate	44	10	10	41	2.15	1.75	7.43	0.54	0.41	81	11	7	36	4	6.0	5	0.130	18	0.060	2.9
2000T-102-1 Analytical Duplicate	25	10	10	23	1.40	1.46	10.00	0.53	0.19	94	9	2	21	2	2.5	5	0.060	5	0.130	5.4
2000T-102-2 Analytical Duplicate	31	10	10	30	1.78	1.46	10.00	0.66	0.21	84	11	4	26	3	2.5	5	0.065	6	0.120	4.9
2000T-130-1 Analytical Duplicate	51	10	10	33	2.68	2.06	3.24	0.73	0.47	49	10	7	46	5	6.0	5	0.129	15	0.040	3.4
2000T-130-2 Analytical Duplicate	51	10	10	35	2.86	1.99	2.56	0.67	0.49	45	10	7	48	6	6.0	5	0.127	14	0.030	3.1
2000T-137-1 Analytical Duplicate	46	10	10	36	2.32	1.93	10.00	0.54	0.39	130	11	7	35	4	6.0	5	0.134	18	0.050	6.6
2000T-137-2 Analytical Duplicate	49	10	10	32	2.56	1.91	9.83	0.66	0.40	111	10	7	38	5	6.0	5	0.138	14	0.050	6.3
2000T-149-1 Analytical Duplicate	30	10	10	29	1.79	1.65	10.00	0.39	0.27	92	10	5	22	3	2.5	5	0.096	7	0.070	3.8
2000T-149-2 Analytical Duplicate	26	10	10	26	1.45	1.44	10.00	0.37	0.22	94	9	4	18	2	2.5	5	0.083	6	0.080	3.8
2000T-171-1 Analytical Duplicate	45	10	10	29	2.50	2.32	9.14	0.62	0.39	82	10	6	36	5	6.0	5	0.137	6	0.050	5.4
2000T-171-2 Analytical Duplicate	45	10	10	30	2.37	2.19	10.00	0.60	0.42	95	10	7	34	4	6.0	5	0.139	11	0.050	6.2
2000T-179-1 Analytical Duplicate	44	10	10	28	2.11	1.94	10.00	0.92	0.24	67	10	7	28	4	6.0	5	0.116	11	0.050	8.5
2000T-179-2 Analytical Duplicate	49	10	10	29	2.50	2.15	8.11	0.75	0.32	69	11	7	35	4	7.0	5	0.140	14	0.040	6.1
2000T-218-1 Analytical Duplicate	44	10	10	28	2.30	1.98	8.86	0.59	0.32	73	10	7	32	4	6.0	5	0.132	12	0.040	6.0
2000T-218-2 Analytical Duplicate	49	10	10	29	2.76	1.98	8.21	0.68	0.32	72	10	9	37	4	6.0	5	0.130	13	0.050	3.8
2000T-231-1 Analytical Duplicate	61	10	10	32	3.33	2.05	5.54	0.71	0.38	63	14	8	42	5	8.0	5	0.147	12	0.050	6.0
2000T-231-2 Analytical Duplicate	56	10	10	31	3.00	1.83	5.79	0.70	0.36	64	13	7	39	6	7.0	5	0.140	10	0.040	7.4

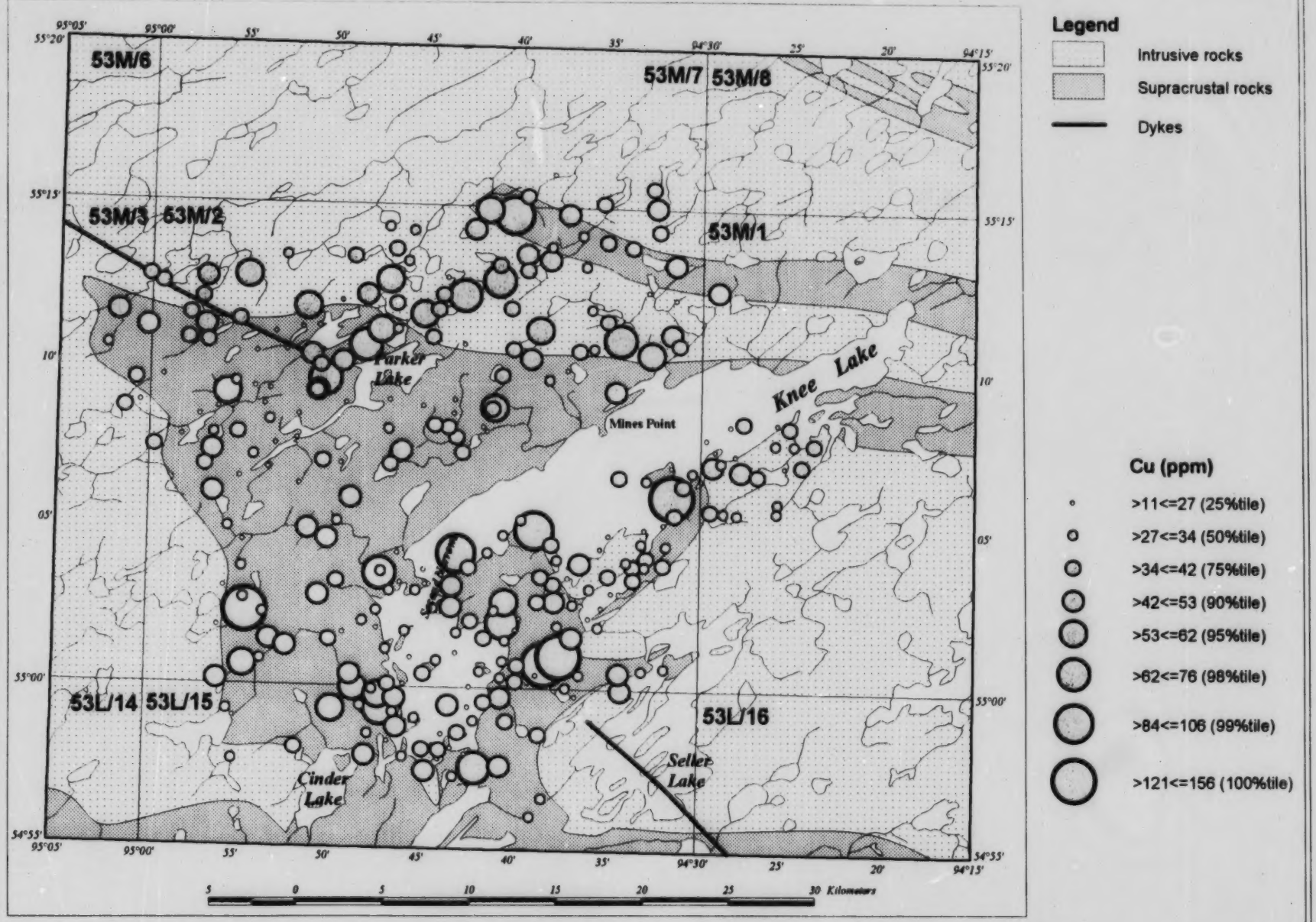
Sample Site	V ppm	Sn ppm	W ppm	La ppm	Al %	Mg %	Ca %	Na %	K %	Sr ppm	Y ppm	Ga ppm	Li ppm	Nb ppm	Sc ppm	Ta ppm	Ti %	Zr ppm	S %	AsHY ppm
2000T-250-1 Analytical Duplicate	59	10	10	35	3.47	2.15	6.05	1.02	0.39	61	20	8	46	5	9.0	5	0.120	11	0.080	11.5
2000T-250-2 Analytical Duplicate	56	10	10	30	3.02	2.28	5.14	0.88	0.36	58	19	6	39	5	8.0	5	0.118	9	0.060	10.8
2000T-265-1 Analytical Duplicate	54	10	10	32	2.81	1.86	10.00	0.60	0.47	93	13	7	37	4	8.0	5	0.135	14	0.050	6.9
2000T-265-2 Analytical Duplicate	40	10	10	24	2.26	1.41	10.00	0.61	0.34	86	9	5	28	4	5.0	5	0.097	7	0.070	4.7
2000T-281-1 Analytical Duplicate	38	10	10	30	2.32	1.99	10.00	0.55	0.36	102	10	4	29	3	6.0	5	0.108	6	0.060	5.2
2000T-281-2 Analytical Duplicate	56	10	10	44	3.20	2.21	5.90	0.92	0.52	66	19	7	41	4	10.0	5	0.119	5	0.060	5.3
2000T-310-1 Analytical Duplicate	46	10	10	31	2.73	1.96	9.39	0.64	0.28	67	12	6	33	5	6.0	5	0.127	7	0.060	5.2
2000T-310-2 Analytical Duplicate	41	10	10	29	2.10	2.12	10.00	0.44	0.26	81	10	4	27	3	6.0	5	0.138	13	0.050	4.7
2000T-329-1 Analytical Duplicate	55	10	10	29	2.96	2.77	5.18	0.88	0.32	46	15	6	35	5	7.0	5	0.126	10	0.050	12.1
2000T-329-2 Analytical Duplicate	54	10	10	32	3.01	2.44	5.23	0.89	0.30	45	13	7	38	6	7.0	5	0.141	15	0.040	9.9
2000T-345-1 Analytical Duplicate	38	10	10	29	2.09	2.09	10.00	0.46	0.20	80	11	5	27	3	5.0	5	0.119	10	0.050	4.4
2000T-345-2 Analytical Duplicate	44	10	10	30	2.43	2.04	10.00	0.53	0.24	70	11	4	31	5	6.0	5	0.116	10	0.060	4.7

ICP-AES, Hg And As Percentile Bubble Plots For The <2 Micron Size Fraction Of Till Samples.



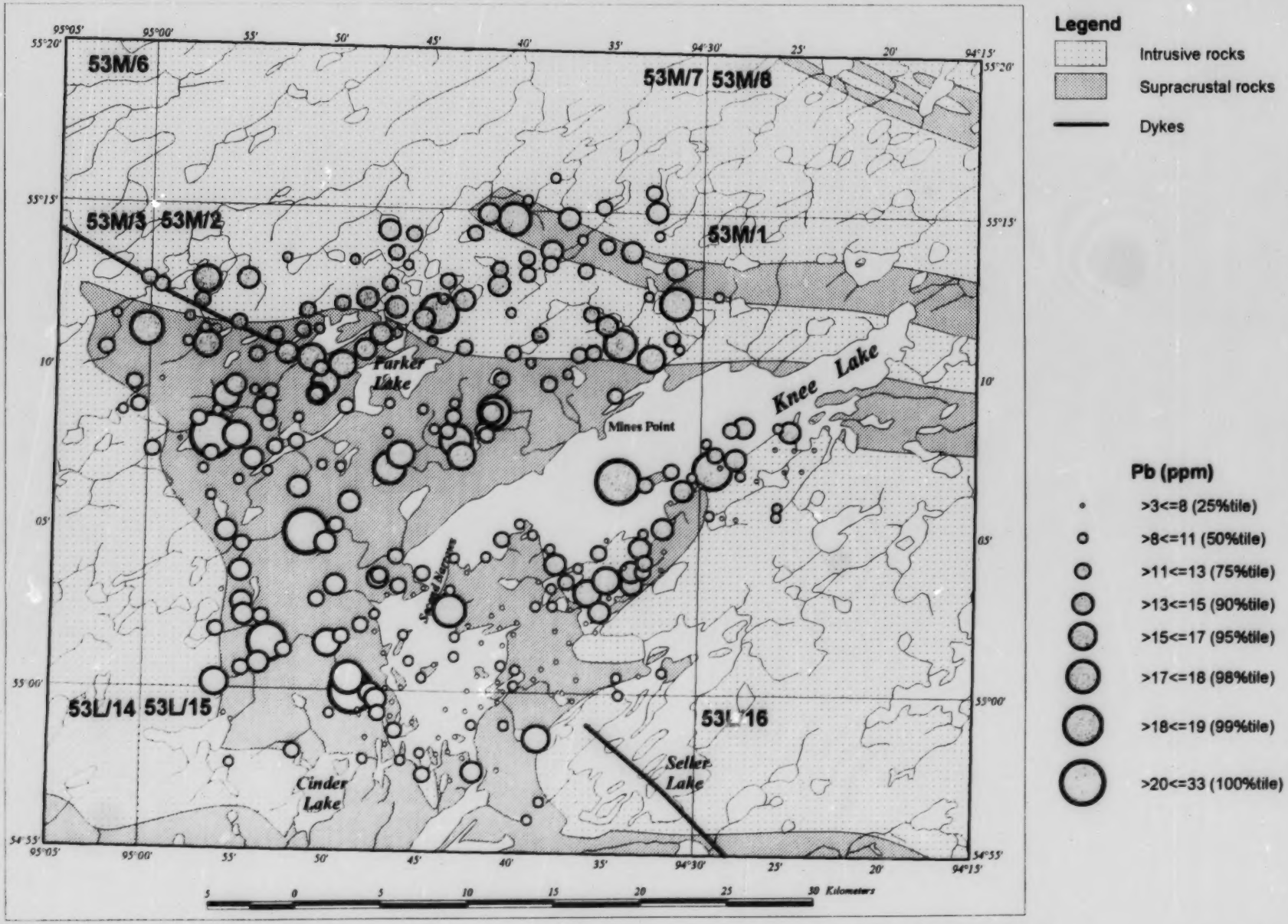
Till (<2 micron) 301 samples Nitric-Aqua Regia Leach/ICP-AES, Hg (cold vapour AAS) and As (hydride generation)

Appendix T-3-1



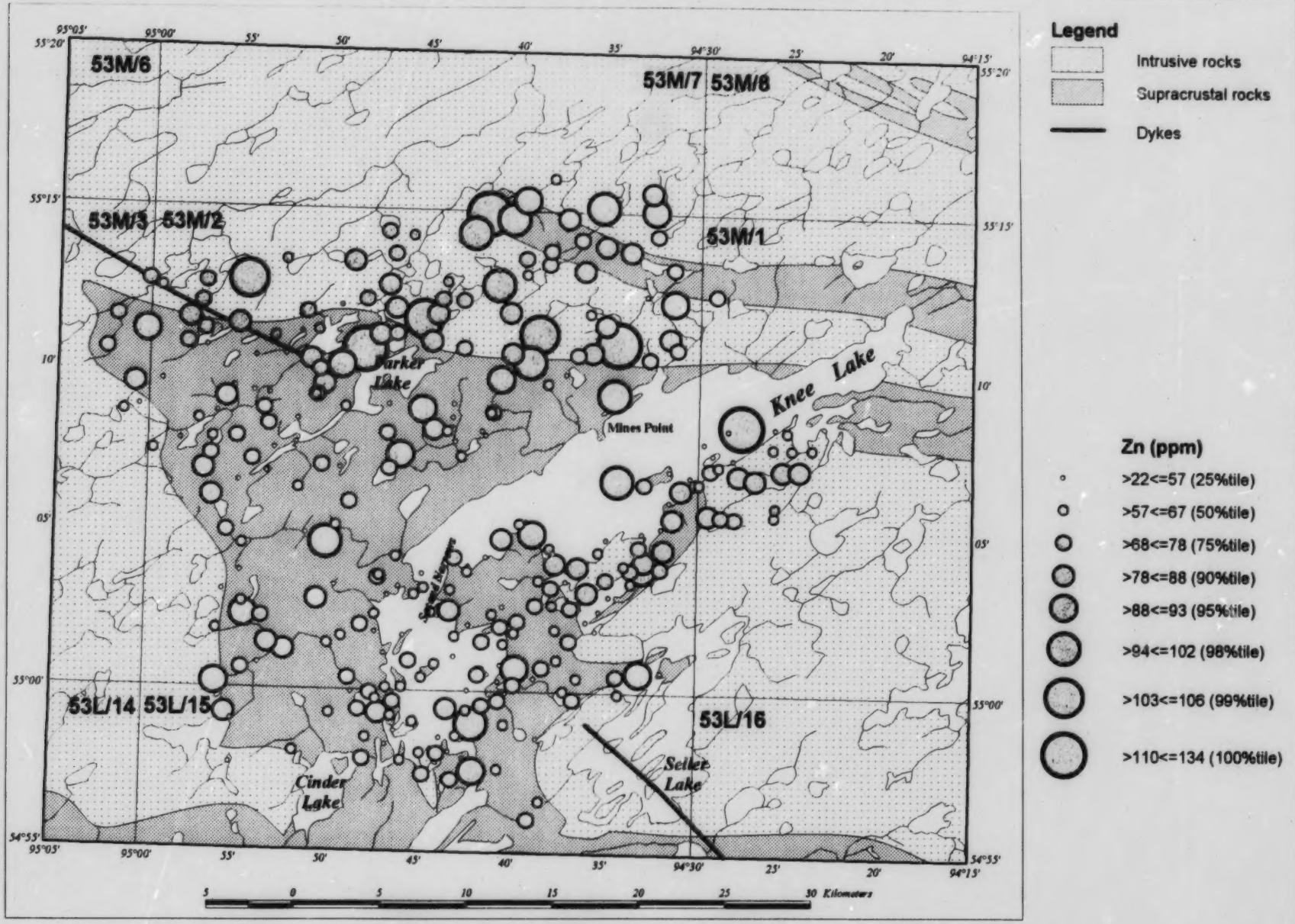
Till (<2 micron) 301 samples Nitric-Aqua Regia Leach/ICP-AES, Hg (cold vapour AAS) and As (hydride generation)

Appendix T-3-2



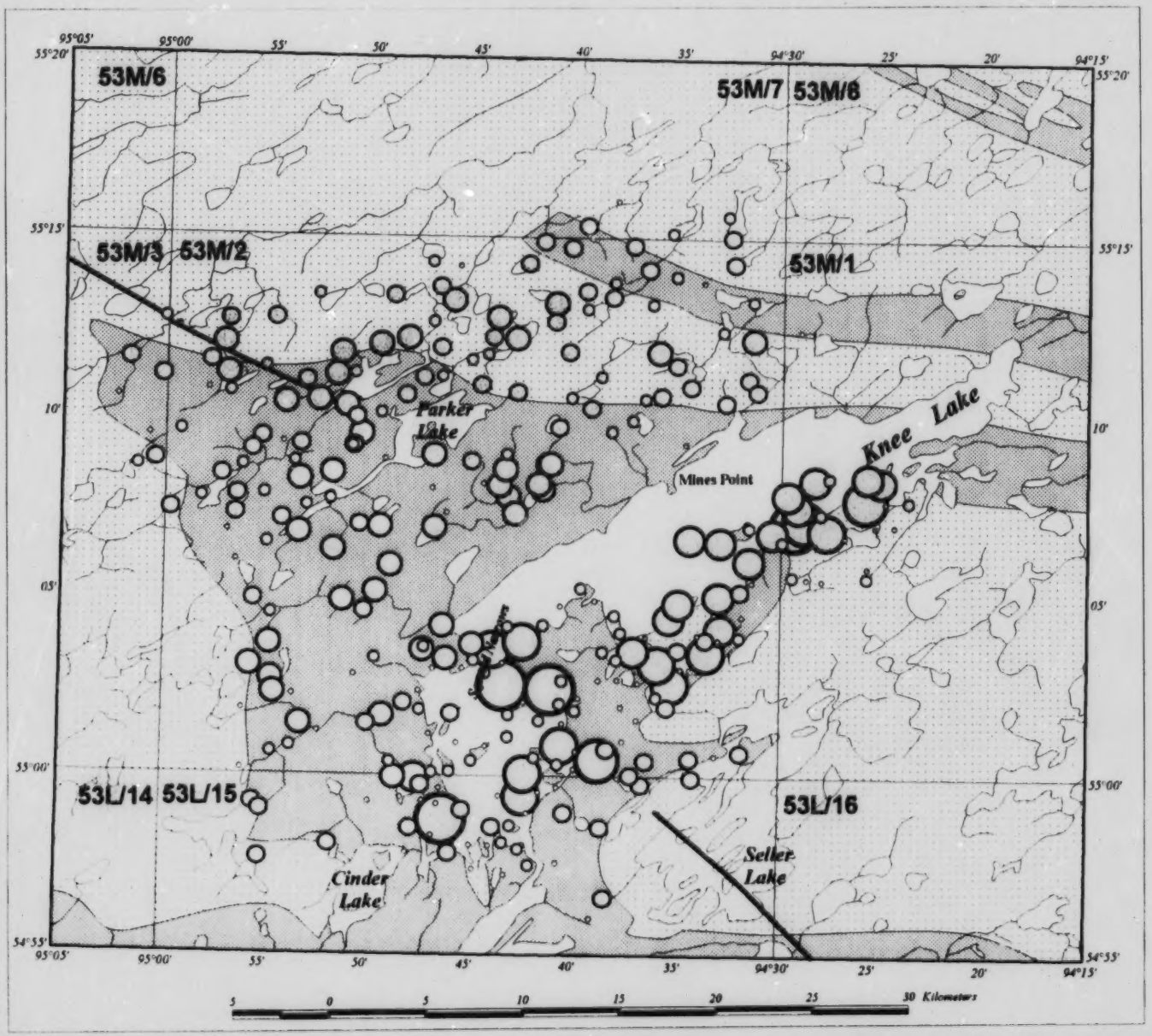
Till (<2 micron) 301 samples Nitric-Aqua Regia Leach/ICP-AES, Hg (cold vapour AAS) and As (hydride generation)

Appendix T-3-3



Till (<2 micron) 301 samples Nitric-Aqua Regia Leach/ICP-AES, Hg (cold vapour AAS) and As (hydride generation)

Appendix T-3-4



Legend

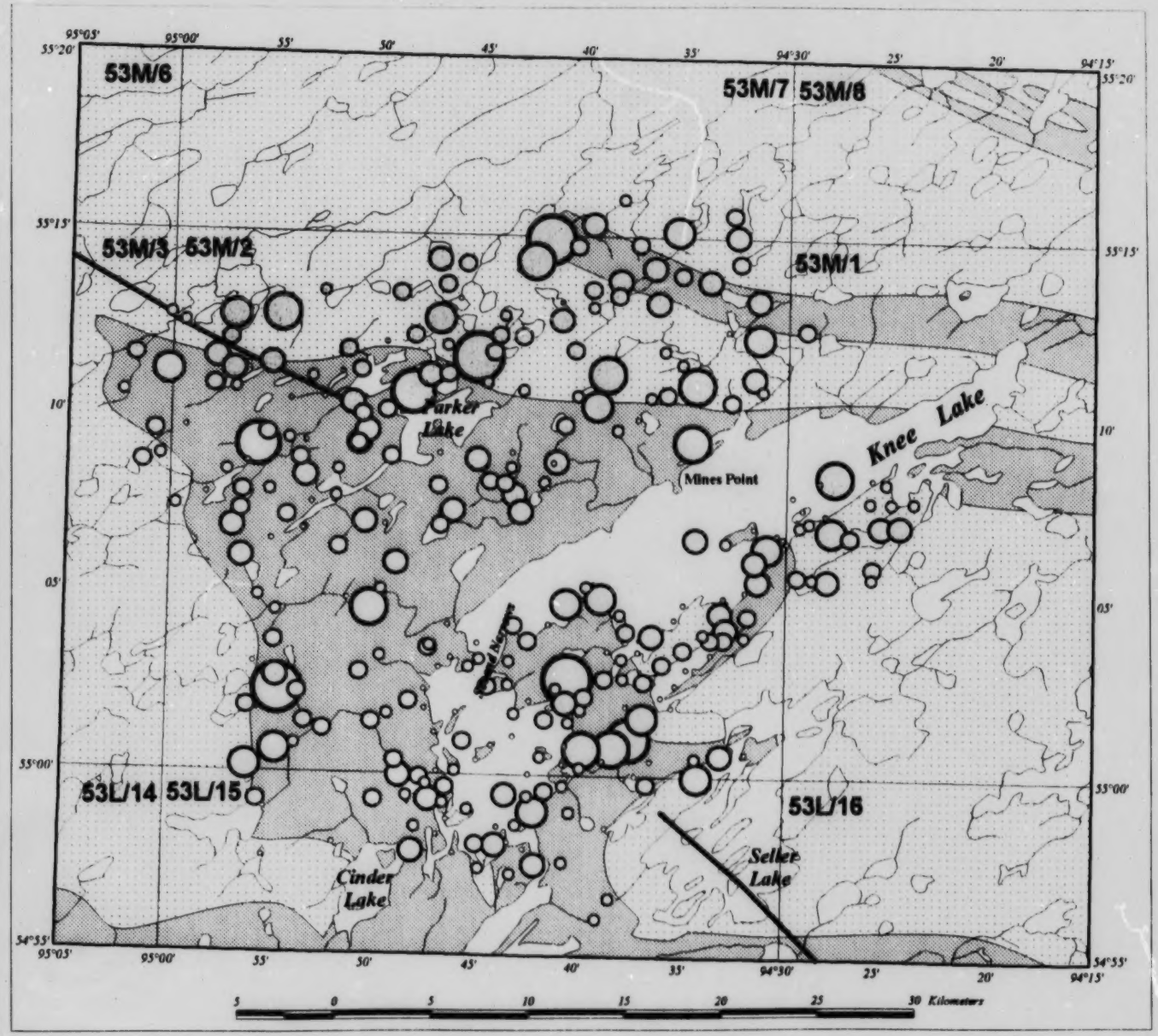
- Intrusive rocks
- Supracrustal rocks
- Dykes

Mo (ppm)

- >0.5<=1.0 (25%tile)
- >1.0<=1.0 (50%tile)
- >1.0<=2.0 (75%tile)
- >2.0<=2.0 (90%tile)
- >2.0<=2.0 (95%tile)
- >2.0<=2.0 (98%tile)
- >2.0<=2.0 (99%tile)
- >2.0<=4.0 (100%tile)

Till (<2 micron) 301 samples Nitric-Aqua Regia Leach/ICP-AES, Hg (cold vapour AAS) and As (hydride generation)

Appendix T-3-5



Legend

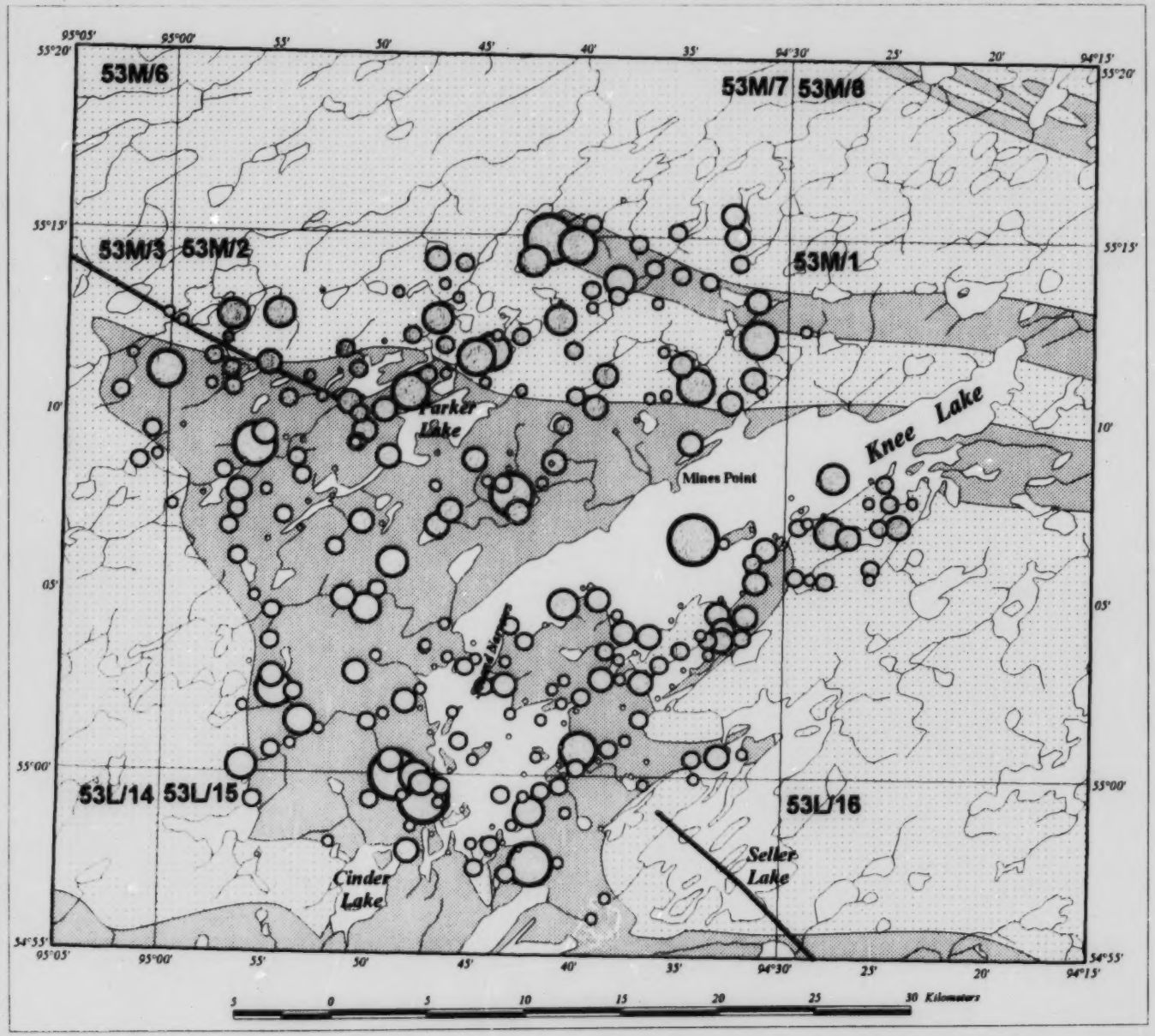
- Intrusive rocks
- Supracrustal rocks
- Dykes

Ni (ppm)

- >14<=31 (25%tile)
- >31<=37 (50%tile)
- >37<=43 (75%tile)
- >43<=47 (90%tile)
- >47<=53 (95%tile)
- >53<=56 (98%tile)
- >57<=57 (99%tile)
- >59<=100 (100%tile)

Till (<2 micron) 301 samples Nitric-Aqua Regia Leach/ICP-AES, Hg (cold vapour AAS) and As (hydride generation)

Appendix T-3-6



Legend

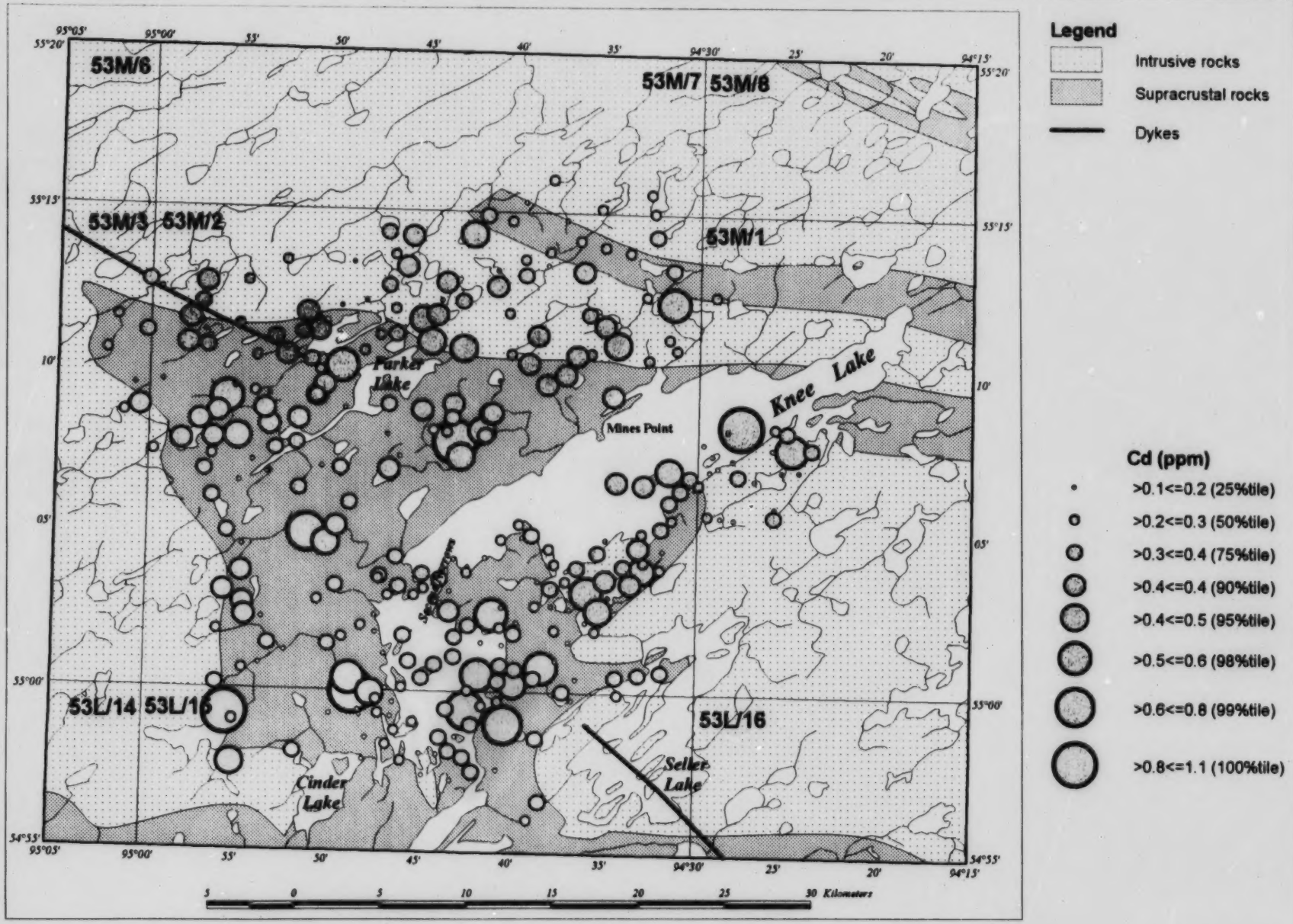
- Intrusive rocks
- Supracrustal rocks
- Dykes

Co (ppm)

- >5<=13 (25%tile)
- >13<=15 (50%tile)
- >15<=17 (75%tile)
- >17<=20 (90%tile)
- >20<=23 (95%tile)
- >23<=24 (98%tile)
- >26<=28 (99%tile)
- >28<=37 (100%tile)

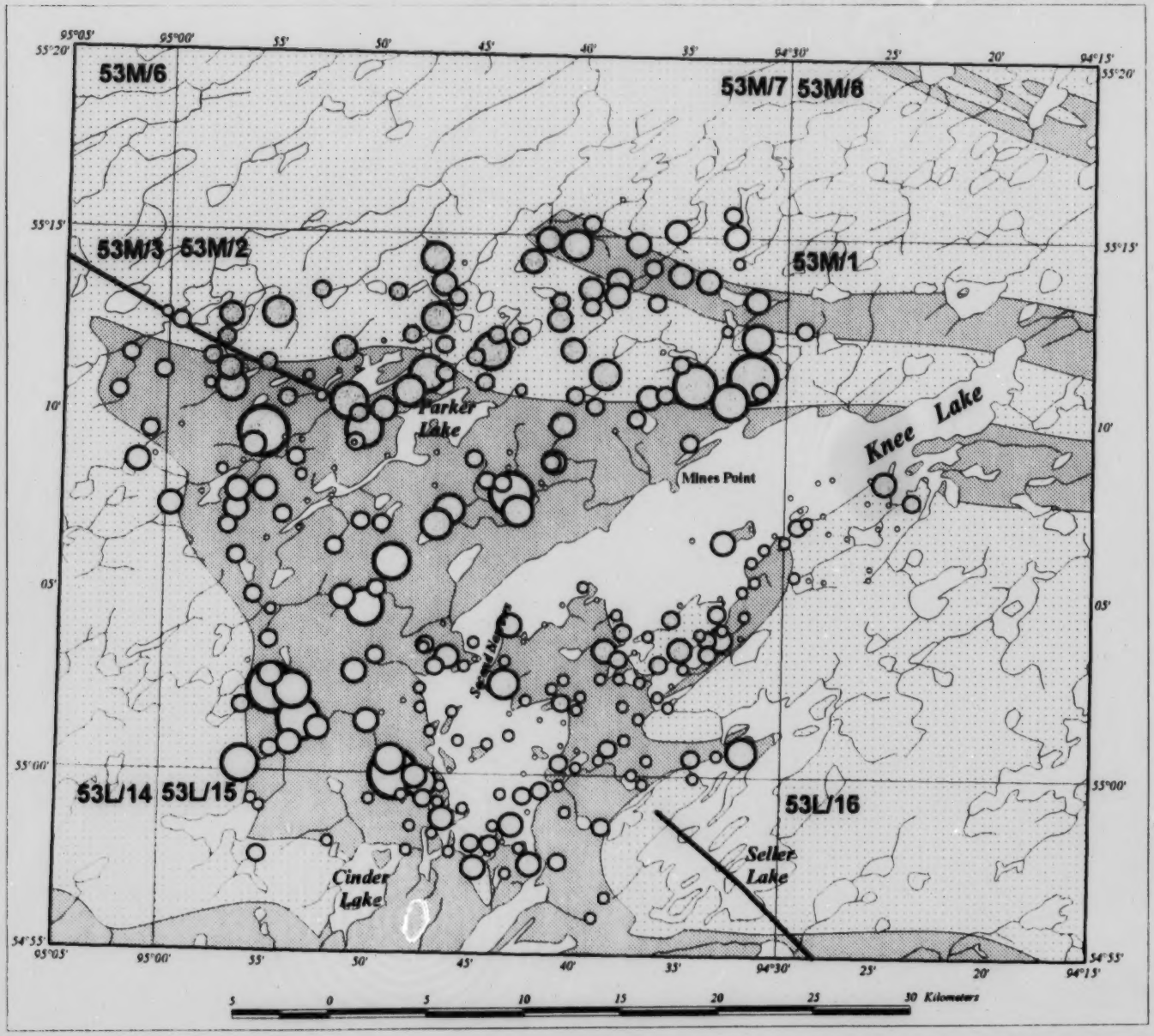
Till (<2 micron) 301 samples Nitric-Aqua Regia Leach/ICP-AES, Hg (cold vapour AAS) and As (hydride generation)

Appendix T-3-7



Till (<2 micron) 301 samples Nitric-Aqua Regia Leach/ICP-AES, Hg (cold vapour AAS) and As (hydride generation)

Appendix T-3-8



Legend

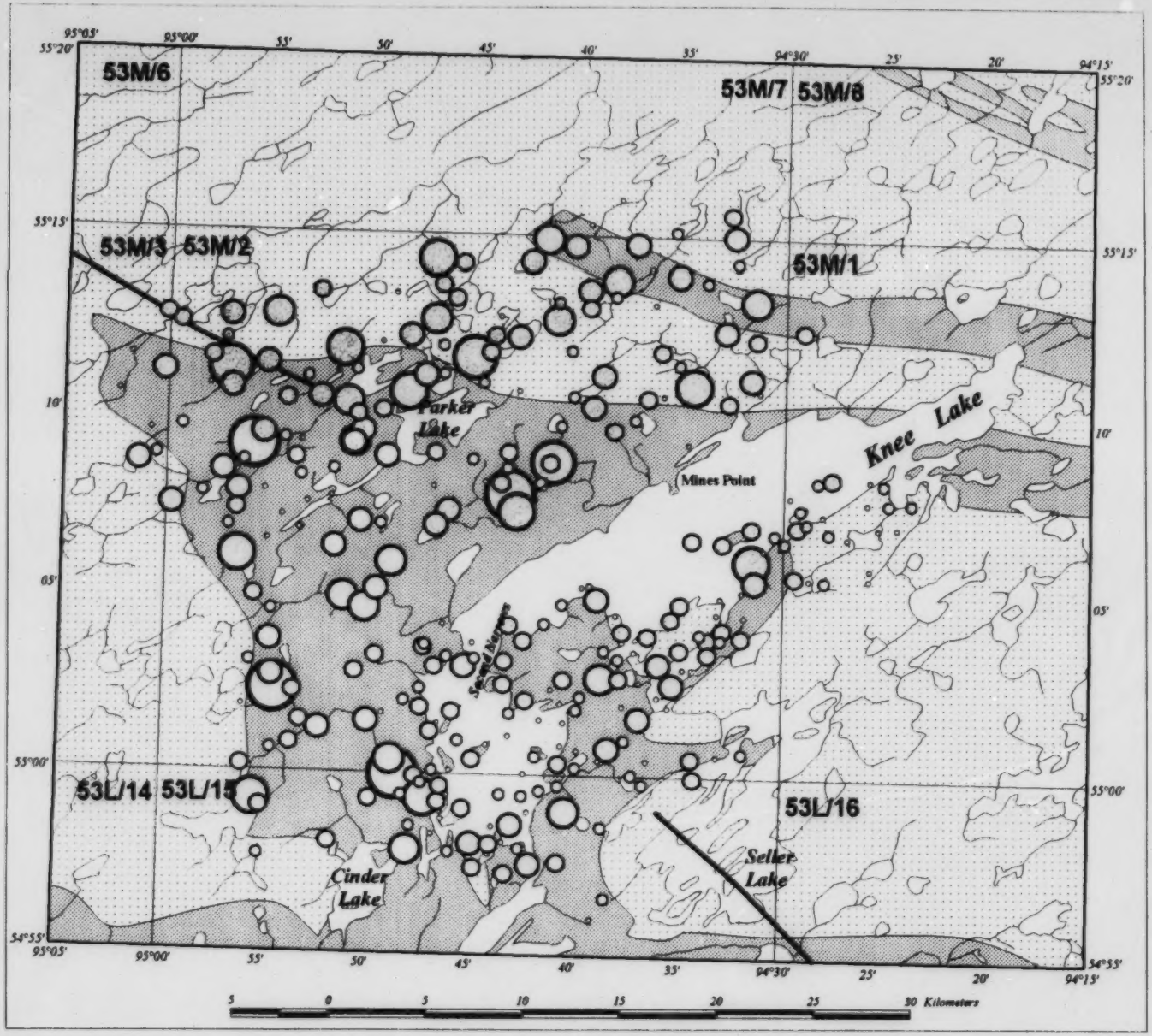
- Intrusive rocks
- Supracrustal rocks
- Dykes

As (ppm)

- >2.5<=2.5 (25%tile)
- >2.5<=5.0 (50%tile)
- >5.0<=7.0 (75%tile)
- >7.0<=10.0 (90%tile)
- >10.0<=11.0 (95%tile)
- >11.0<=12.0 (98%tile)
- >12.0<=14.5 (99%tile)
- >15.0<=28.0 (100%tile)

Till (<2 micron) 301 samples Nitric-Aqua Regia Leach/ICP-AES, Hg (cold vapour AAS) and As (hydride generation)

Appendix T-3-9



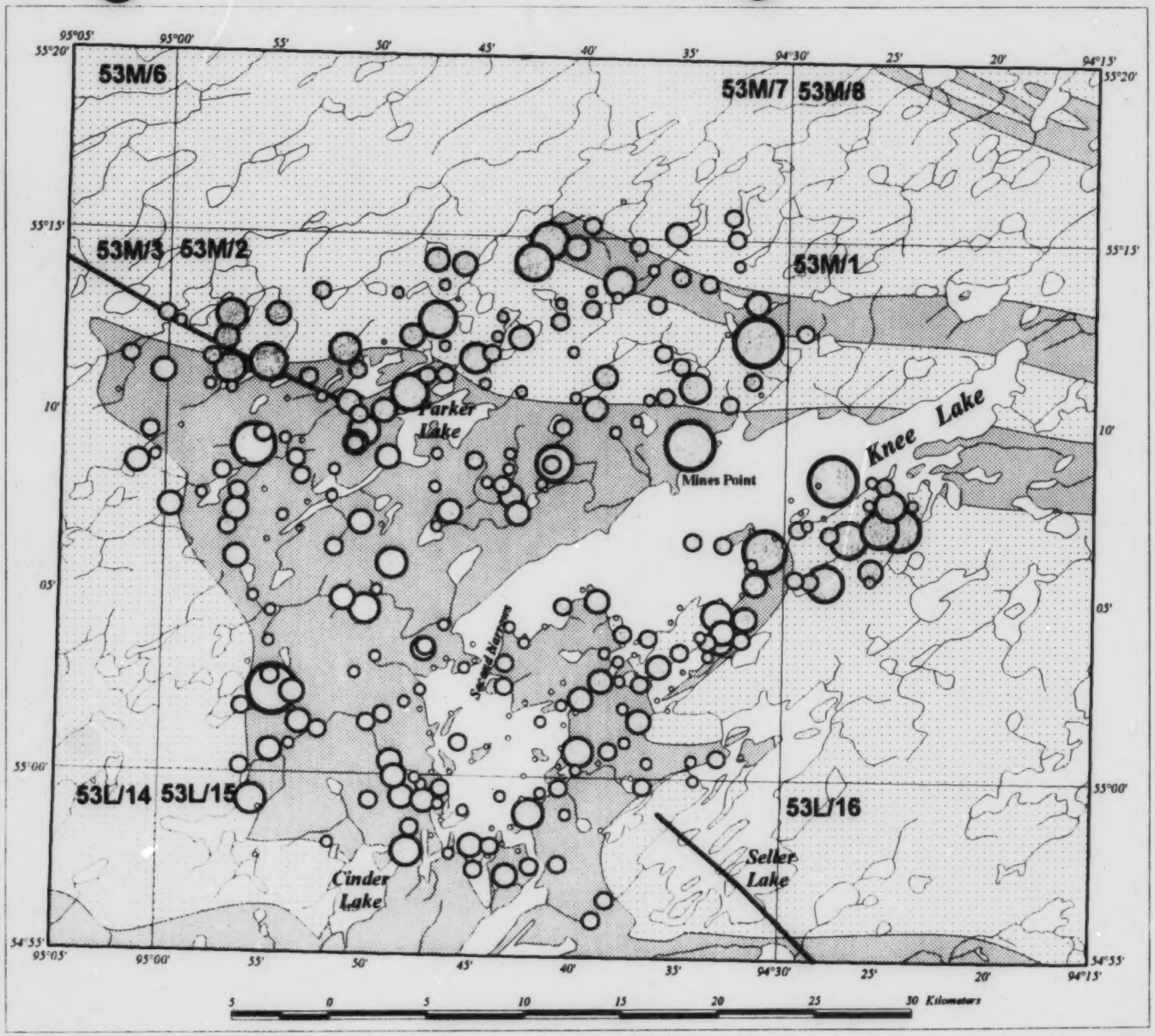
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Hg (ppm)

- >0.017<=0.039 (25%tile)
- >0.039<=0.053 (50%tile)
- >0.053<=0.073 (75%tile)
- >0.074<=0.101 (90%tile)
- >0.101<=0.117 (95%tile)
- >0.117<=0.139 (98%tile)
- >0.142<=0.147 (99%tile)
- >0.159<=0.236 (100%tile)

Till (<2 micron) 301 samples Nitric-Aqua Regia Leach/ICP-AES, Hg (cold vapour AAS) and As (hydride generation)



Legend

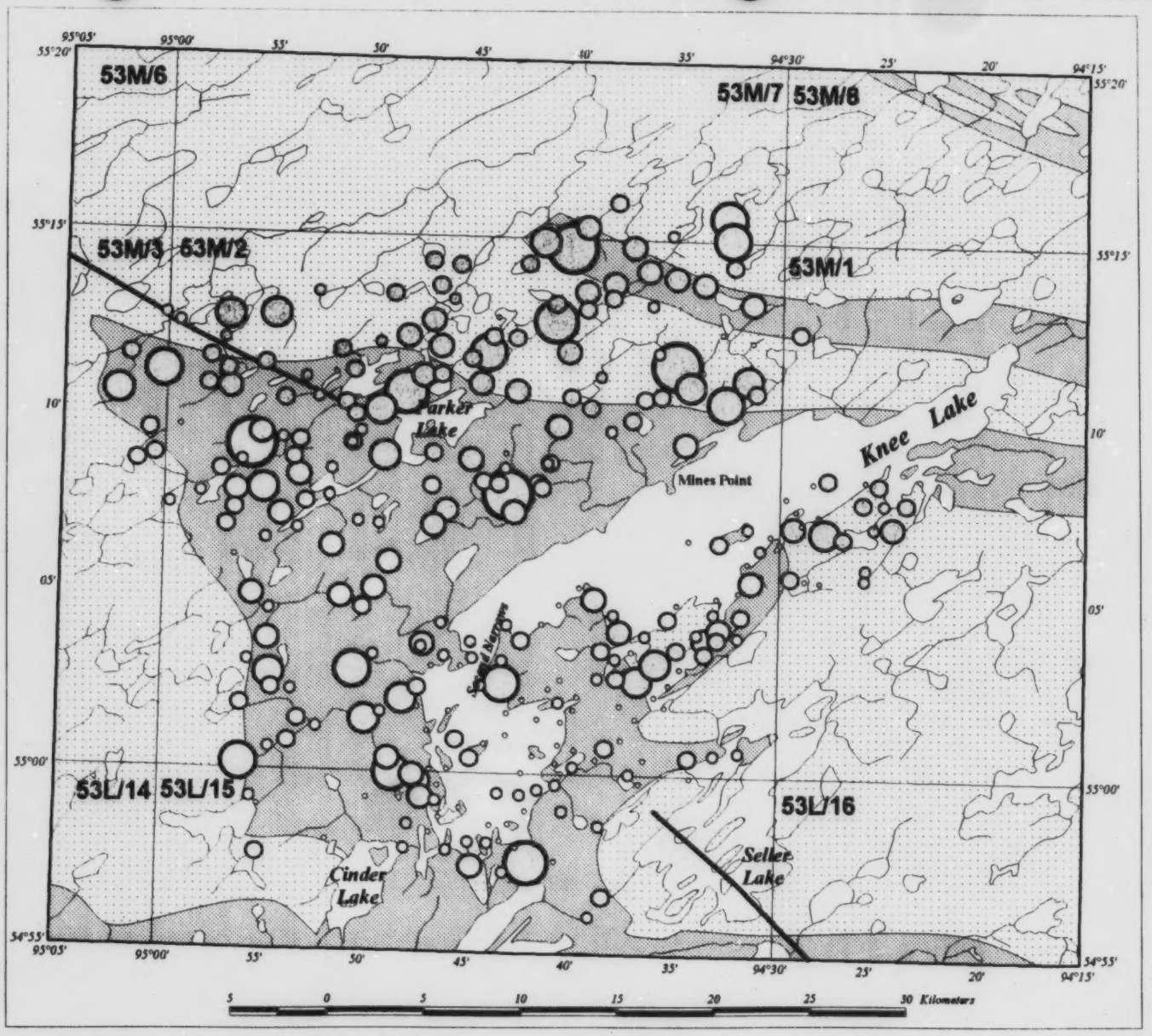
- Intrusive rocks
- Supracrustal rocks
- Dykes

Fe (wt.%)

- >1.08<=2.91 (25%tile)
- >2.94<=3.37 (50%tile)
- >3.37<=3.79 (75%tile)
- >3.79<=4.39 (90%tile)
- >4.41<=4.63 (95%tile)
- >4.63<=4.78 (98%tile)
- >4.92<=4.94 (99%tile)
- >4.99<=7.22 (100%tile)

Till (<2 micron) 301 samples Nitric-Aqua Regia Leach/ICP-AES, Hg (cold vapour AAS) and As (hydride generation)

Appendix T-3-11



Legend

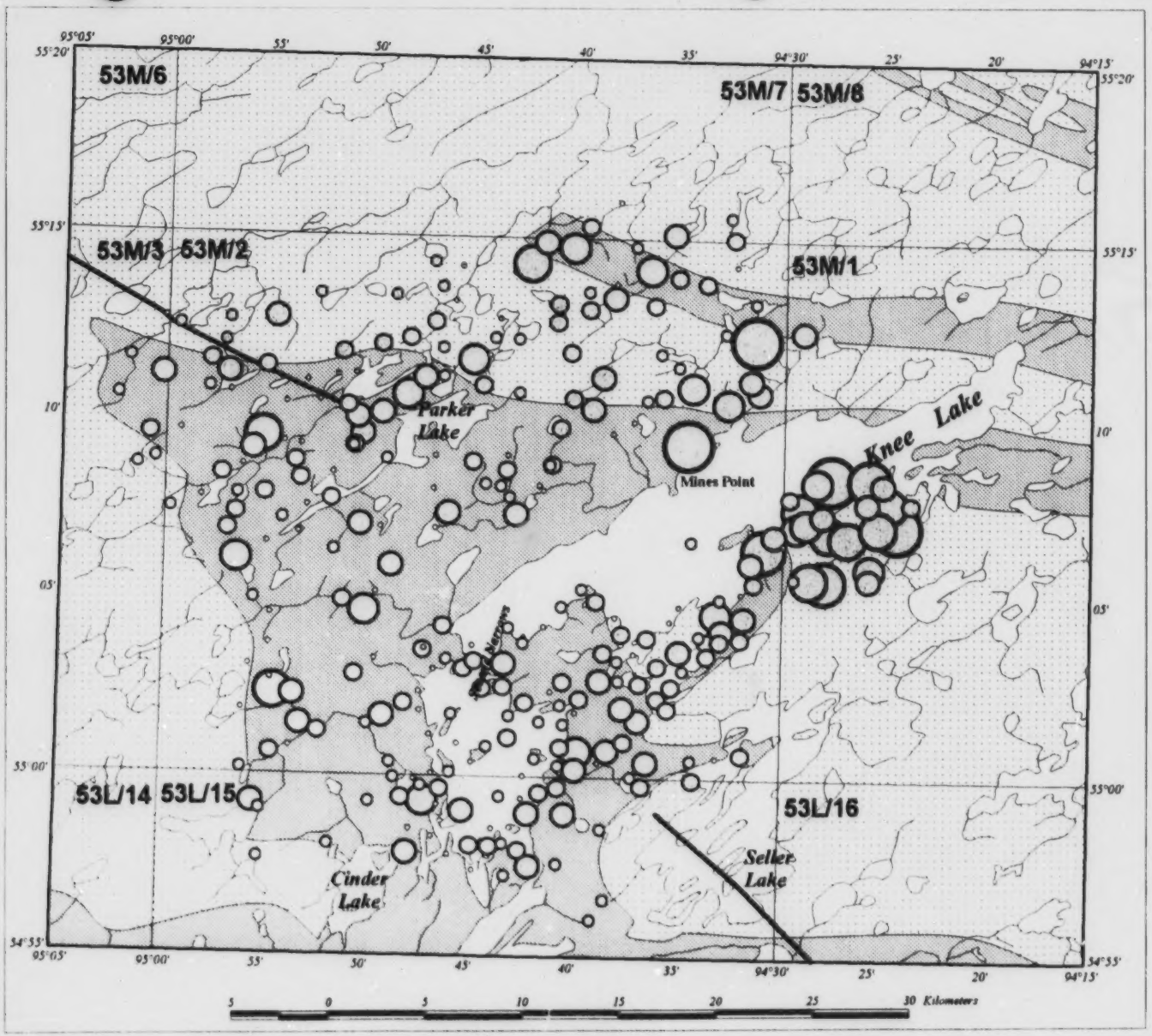
- Intrusive rocks
- Supracrustal rocks
- Dykes

Mn (ppm)

- >166<=422 (25%tile)
- >422<=491 (50%tile)
- >491<=571 (75%tile)
- >571<=650 (90%tile)
- >652<=723 (95%tile)
- >731<=795 (98%tile)
- >797<=857 (99%tile)
- >858<=1273 (100%tile)

Till (<2 micron) 301 samples Nitric-Aqua Regia Leach/ICP-AES, Hg (cold vapour AAS) and As (hydride generation)

Appendix T-3-12



Legend

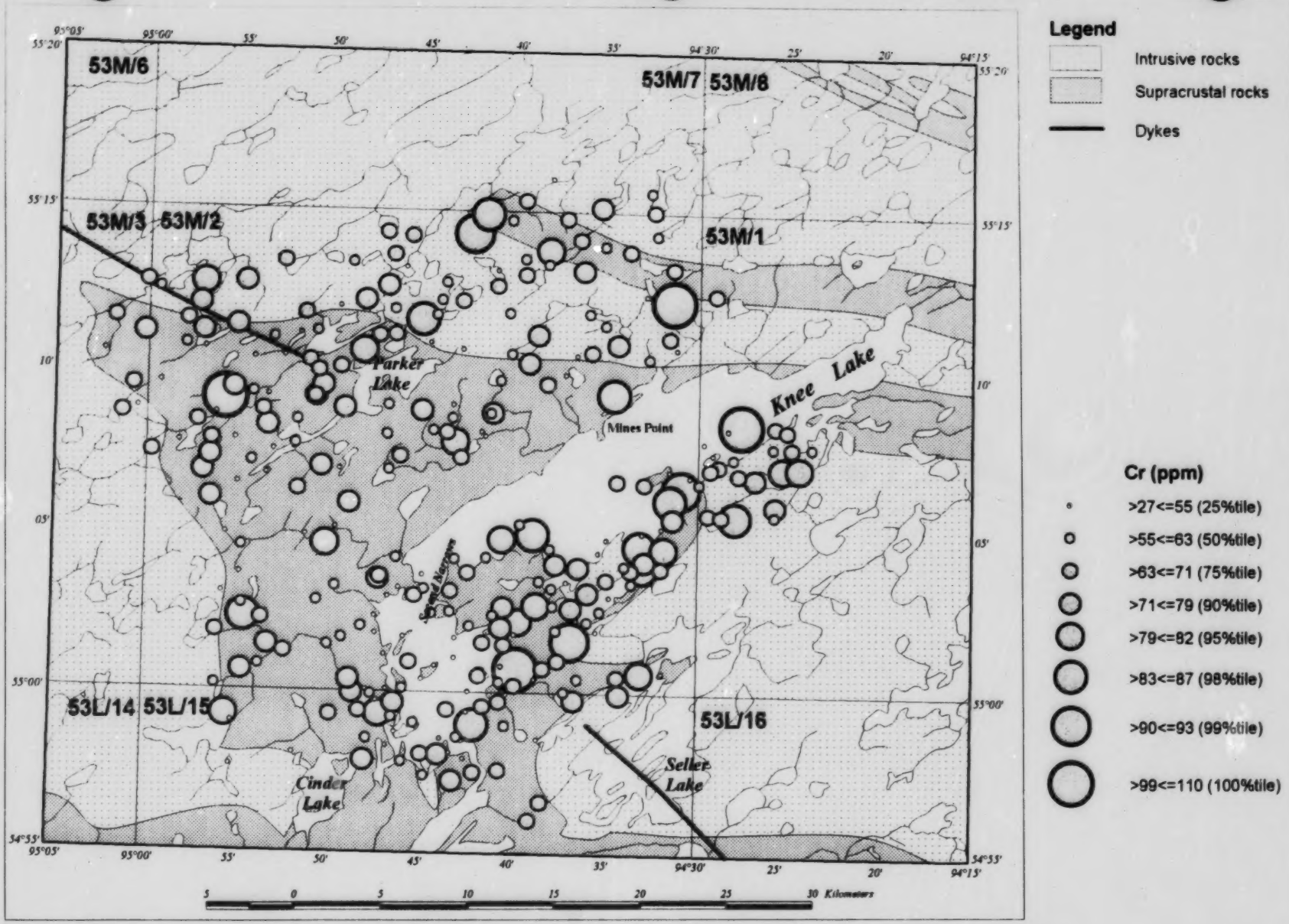
- Intrusive rocks
- Supracrustal rocks
- Dykes

Ba (ppm)

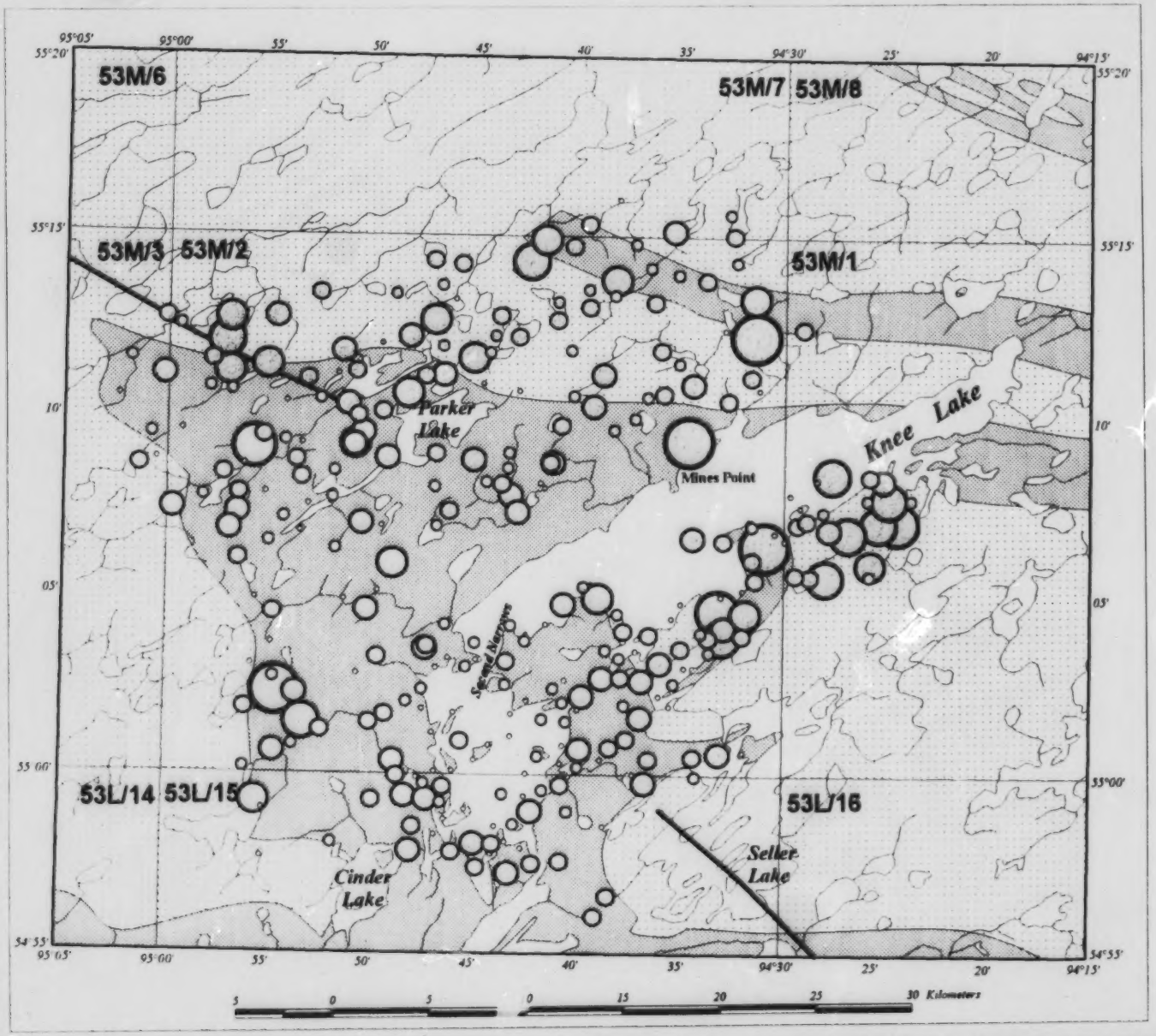
- >71<=105 (25%tile)
- >105<=120 (50%tile)
- >120<=135 (75%tile)
- >136<=162 (90%tile)
- >163<=177 (95%tile)
- >183<=217 (98%tile)
- >225<=231 (99%tile)
- >241<=310 (100%tile)

Till (<2 micron) 301 samples Nitric-Aqua Regia Leach/ICP-AES, Hg (cold vapour AAS) and As (hydride generation)

Appendix T-3-13



Till (<2 micron) 301 samples Nitric-Aqua Regia Leach/ICP-AES, Hg (cold vapour AAS) and As (hydride generation)



Legend

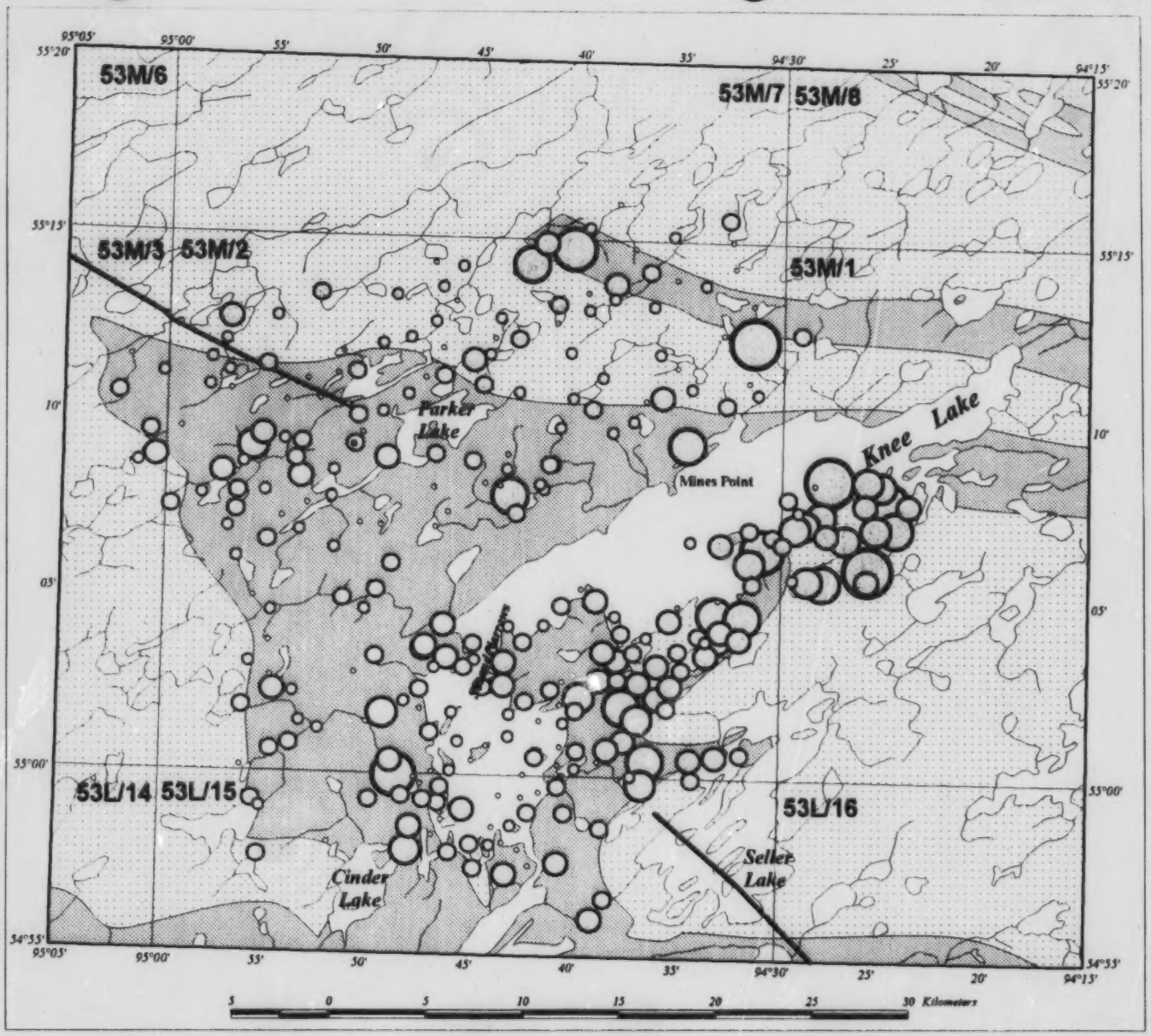
- Intrusive rocks
- Supracrustal rocks
- Dykes

V (ppm)

- >14<=38 (25%tile)
- >38<=44 (50%tile)
- >44<=51 (75%tile)
- >51<=58 (90%tile)
- >58<=61 (95%tile)
- >61<=64 (98%tile)
- >67<=68 (99%tile)
- >70<=104 (100%tile)

Till (<2 micron) 301 samples Nitric-Aqua Regia Leach/ICP-AES, Hg (cold vapour AAS) and As (hydride generation)

Appendix T-3-15



Legend

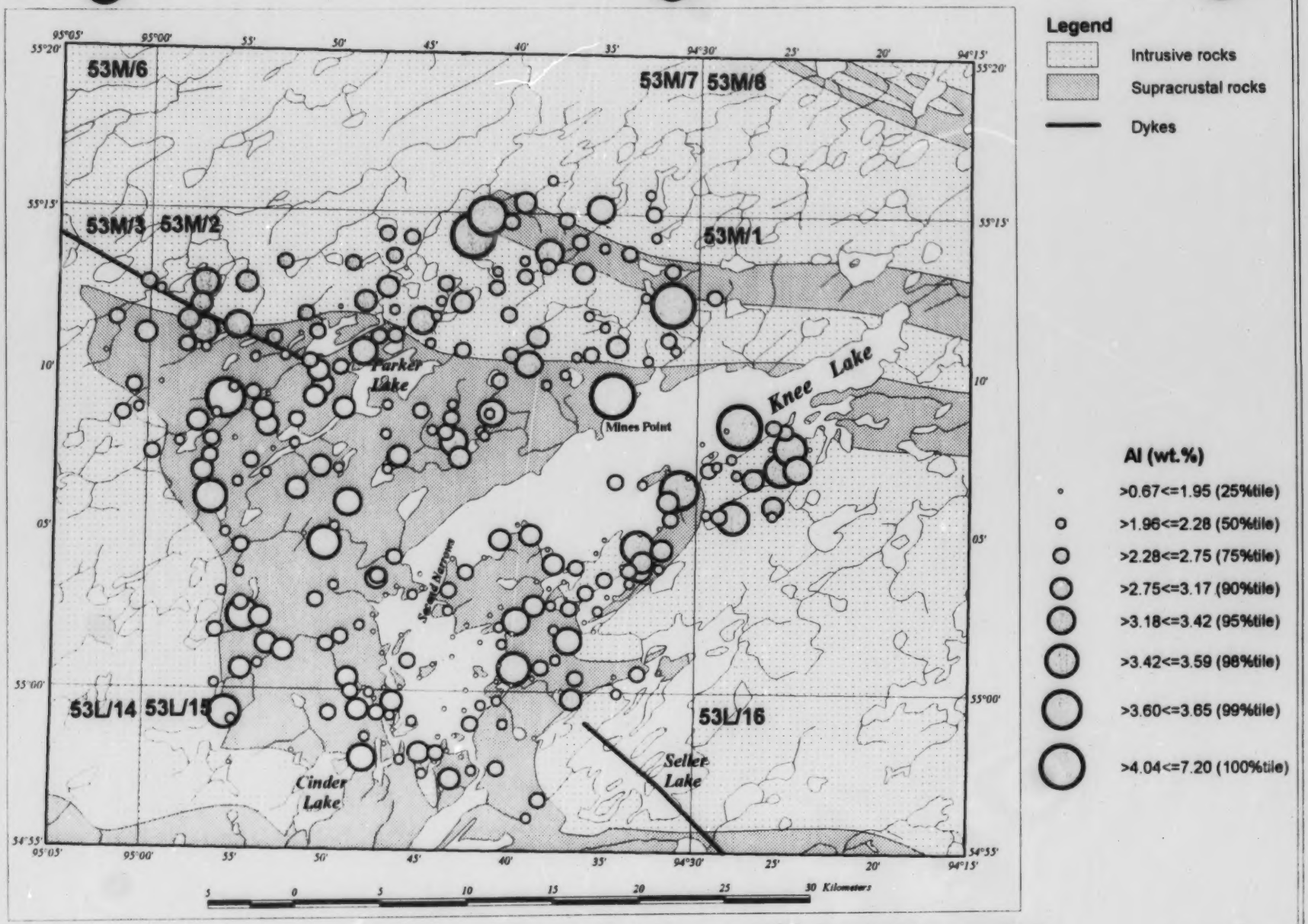
- Intrusive rocks
- Supracrustal rocks
- Dykes

La (ppm)

- >17<=30 (25%tile)
- >30<=32 (50%tile)
- >32<=35 (75%tile)
- >35<=39 (90%tile)
- >39<=44 (95%tile)
- >44<=54 (98%tile)
- >58<=63 (99%tile)
- >67<=95 (100%tile)

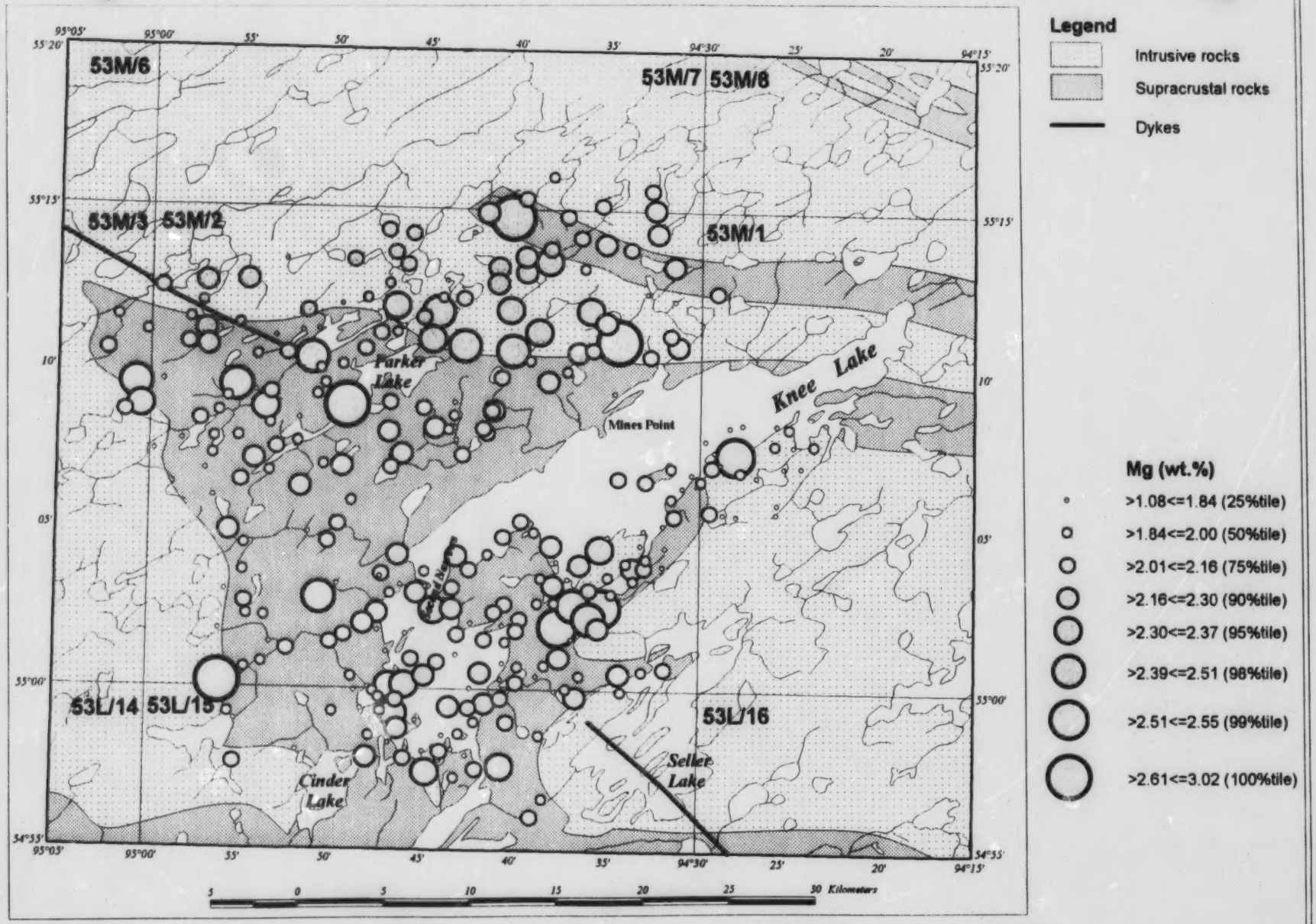
Till (<2 micron) 301 samples Nitric-Aqua Regia Leach/ICP-AES, Hg (cold vapour AAS) and As (hydride generation)

Appendix T-3-16



Till (<2 micron) 301 samples Nitric-Aqua Regia Leach/ICP-AES, Hg (cold vapour AAS) and As (hydride generation)

Appendix T-3-17



Legend

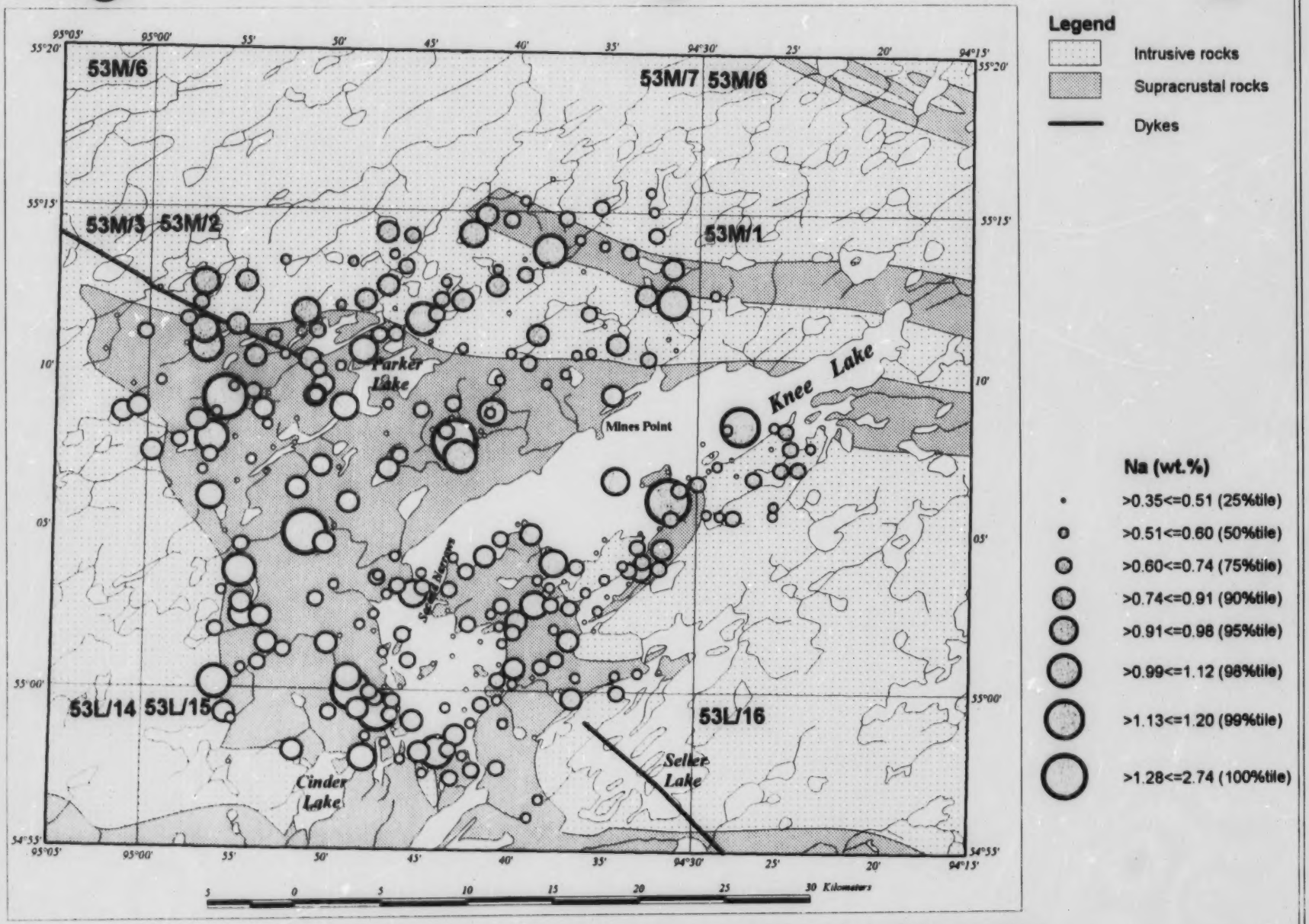
- Intrusive rocks
- Supracrustal rocks
- Dykes

Mg (wt.%)

- >1.08<=1.84 (25%tile)
- >1.84<=2.00 (50%tile)
- >2.01<=2.16 (75%tile)
- >2.16<=2.30 (90%tile)
- >2.30<=2.37 (95%tile)
- >2.39<=2.51 (98%tile)
- >2.51<=2.55 (99%tile)
- >2.61<=3.02 (100%tile)

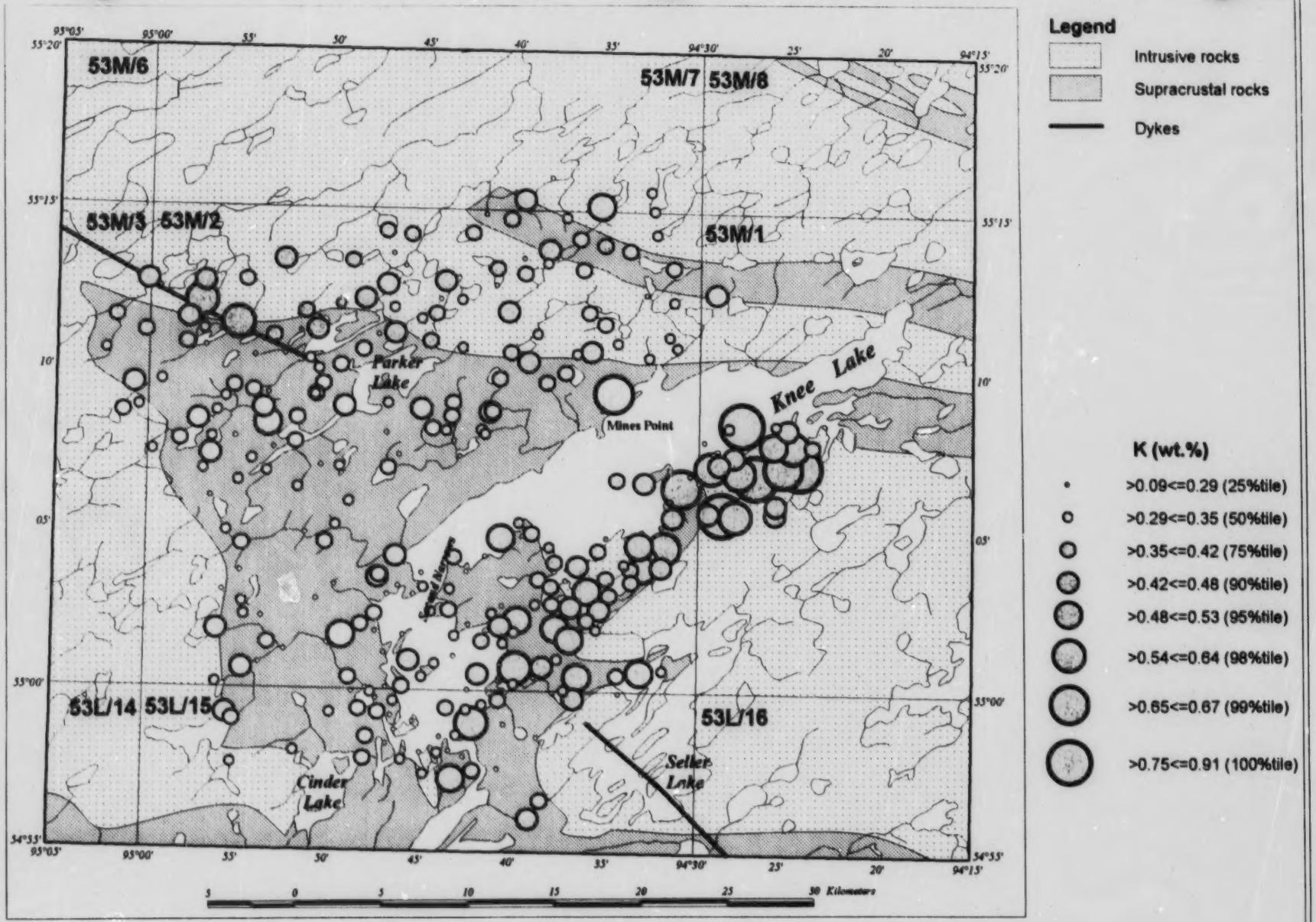
Till (<2 micron) 301 samples Nitric-Aqua Regia Leach/ICP-AES, Hg (cold vapour AAS) and As (hydride generation)

Appendix T-3-18



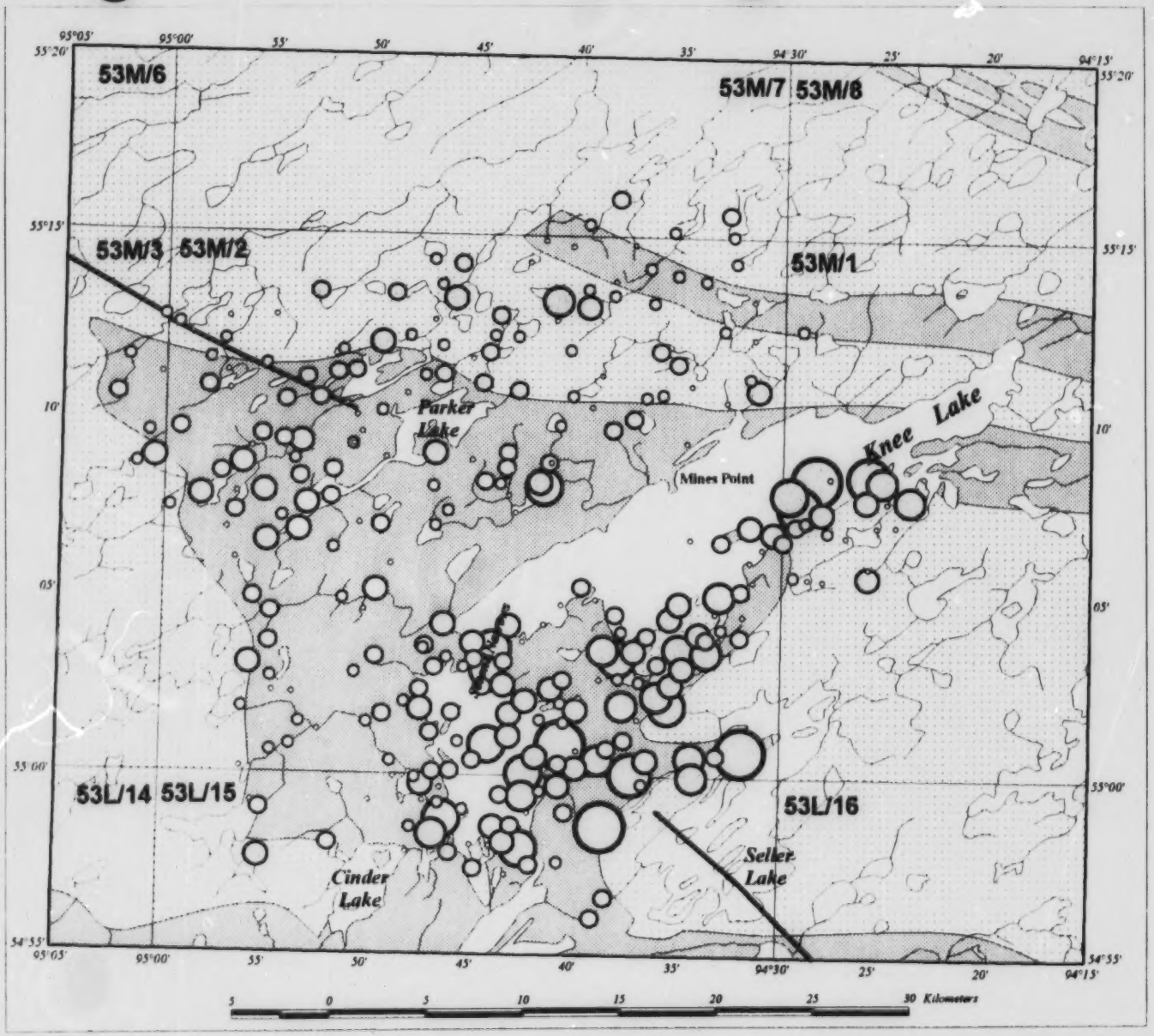
Till (<2 micron) 301 samples Nitric-Aqua Regia Leach/ICP-AES, Hg (cold vapour AAS) and As (hydride generation)

Appendix T-3-19



Till (<2 micron) 301 samples Nitric-Aqua Regia Leach/ICP-AES, Hg (cold vapour AAS) and As (hydride generation)

Appendix T-3-20



Legend

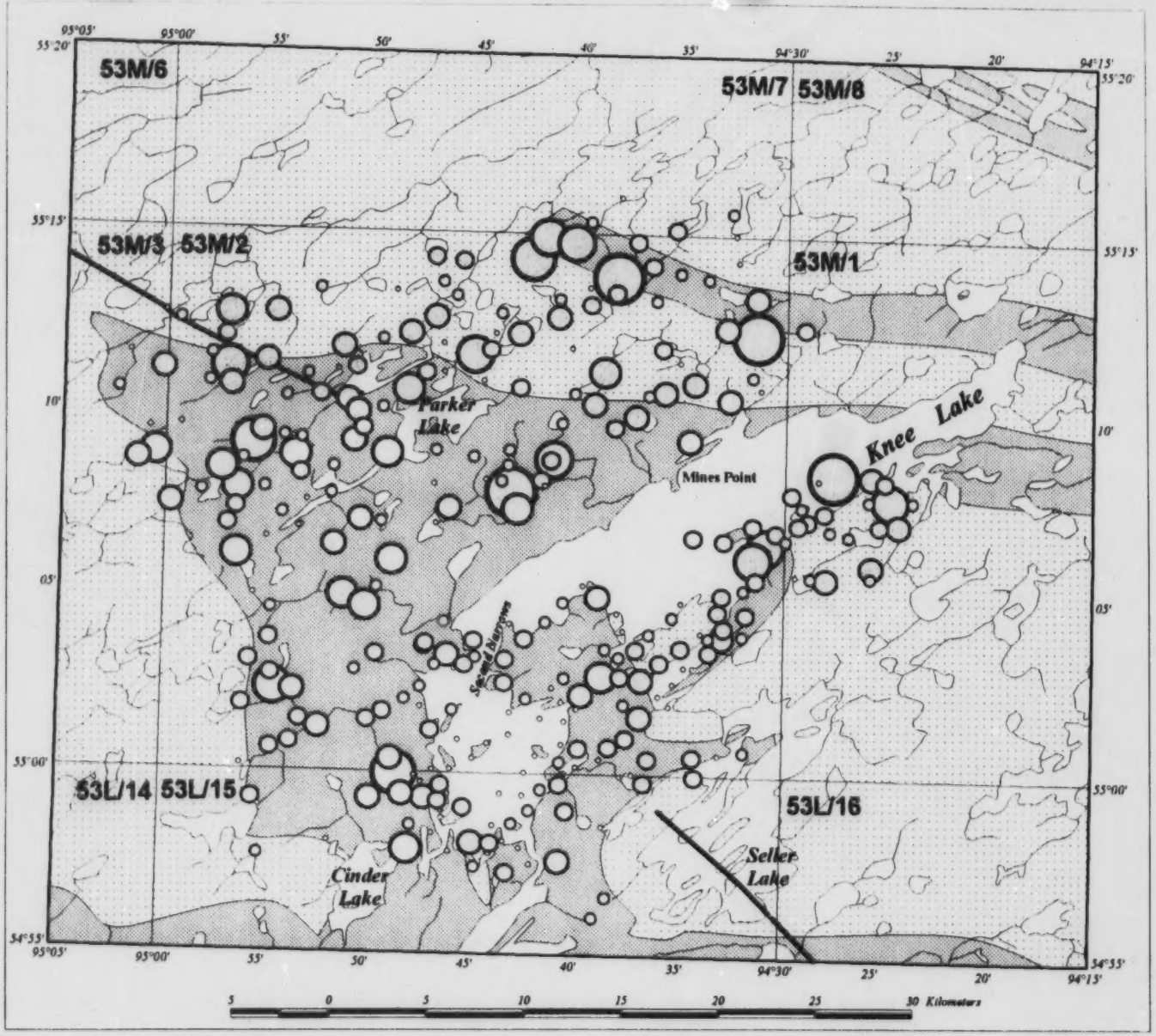
- Intrusive rocks
- Supracrustal rocks
- Dykes

Sr (ppm)

- >31<=65 (25%tile)
- >65<=81 (50%tile)
- >81<=95 (75%tile)
- >95<=111 (90%tile)
- >111<=122 (95%tile)
- >123<=135 (98%tile)
- >144<=163 (99%tile)
- >165<=228 (100%tile)

Till (<2 micron) 301 samples Nitric-Aqua Regia Leach/ICP-AES, Hg (cold vapour AAS) and As (hydride generation)

Appendix T-3-21



Legend

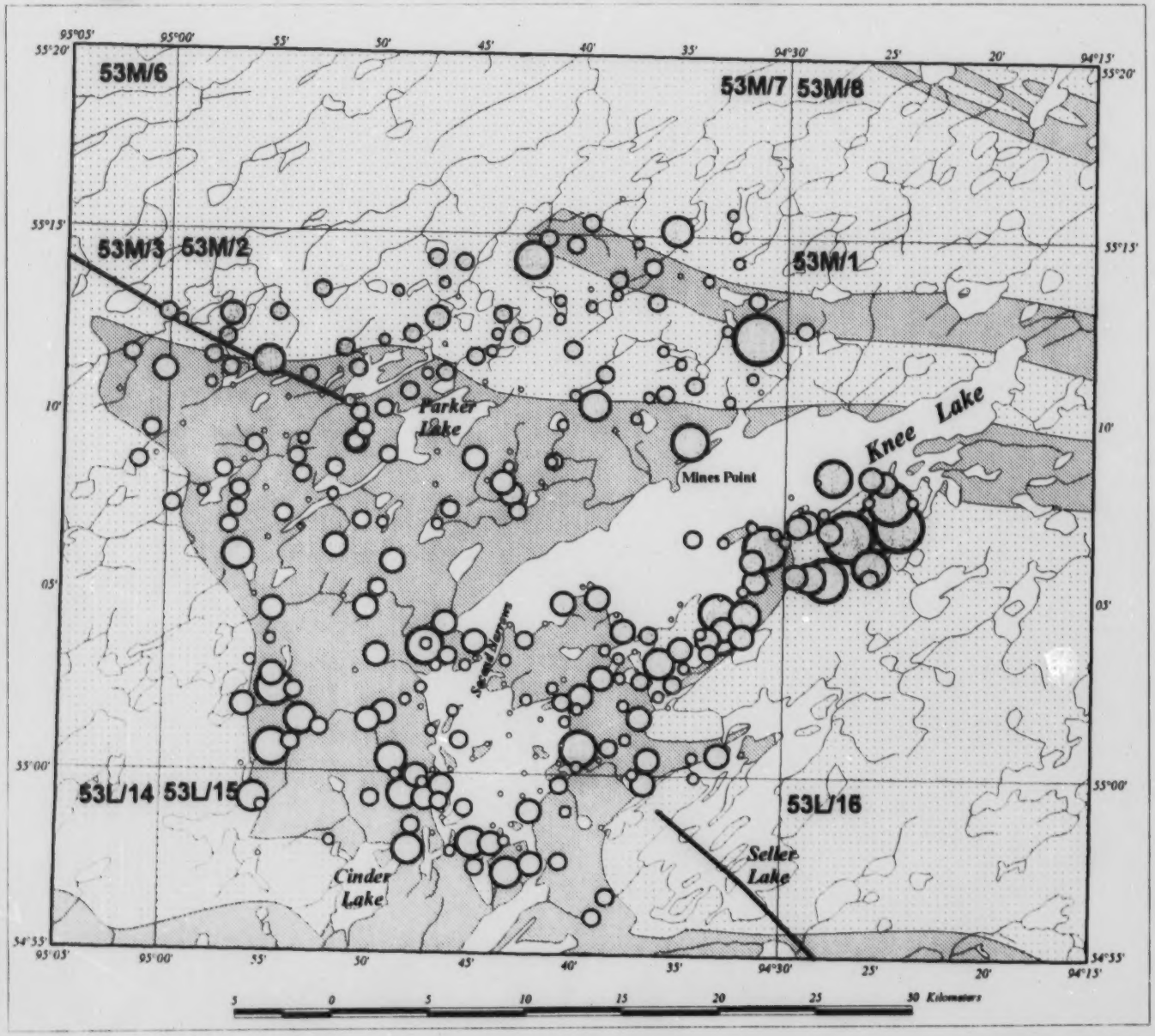
- Intrusive rocks
- Supracrustal rocks
- Dykes

Y (ppm)

- >6<=10 (25%tile)
- >10<=11 (50%tile)
- >11<=12 (75%tile)
- >12<=14 (90%tile)
- >15<=17 (95%tile)
- >18<=20 (98%tile)
- >20<=22 (99%tile)
- >23<=32 (100%tile)

Till (<2 micron) 301 samples Nitric-Aqua Regia Leach/ICP-AES, Hg (cold vapour AAS) and As (hydride generation)

Appendix T-3-22



Legend

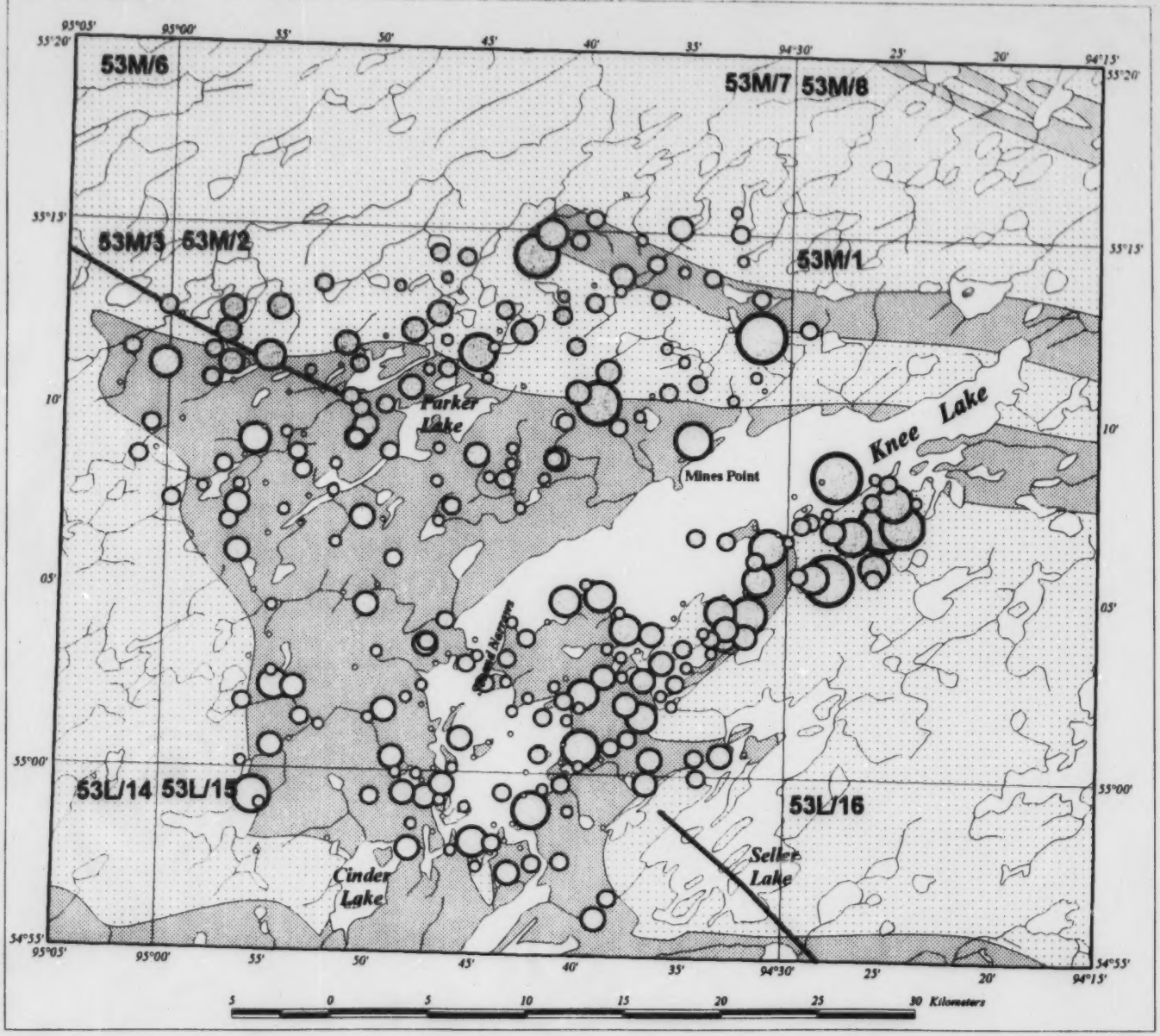
- Intrusive rocks
- Supracrustal rocks
- Dykes

Ga (ppm)

- >1<=4 (25%tile)
- >4<=5 (50%tile)
- >5<=7 (75%tile)
- >7<=8 (90%tile)
- >8<=9 (95%tile)
- >10<=12 (98%tile)
- >12<=12 (99%tile)
- >12<=15 (100%tile)

Till (<2 micron) 301 samples Nitric-Aqua Regia Leach/ICP-AES, Hg (cold vapour AAS) and As (hydride generation)

Appendix T-3-23



Legend

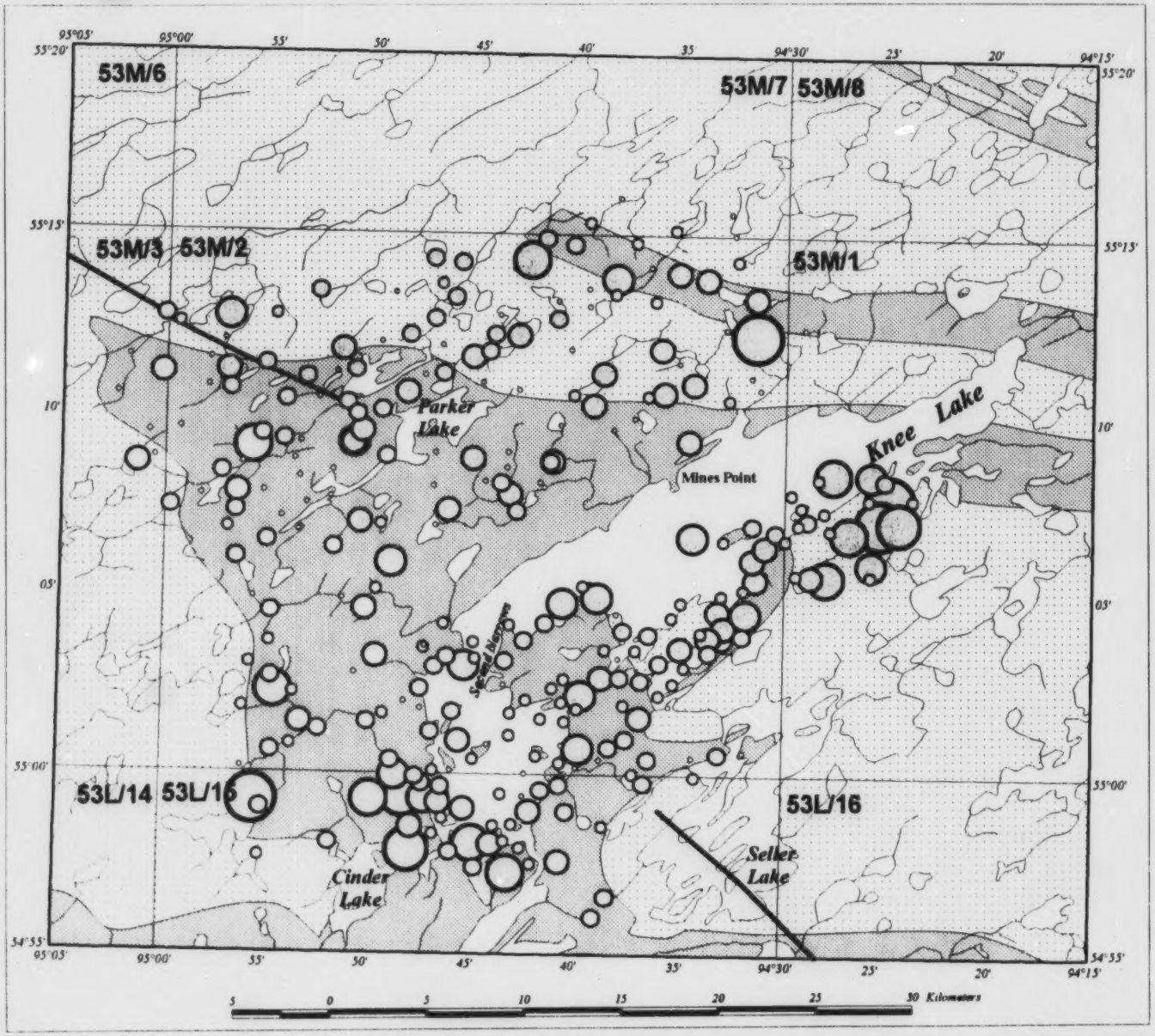
- Intrusive rocks
- Supracrustal rocks
- Dykes

Li (ppm)

- >10<=29 (25%tile)
- >29<=33 (50%tile)
- >33<=39 (75%tile)
- >39<=45 (90%tile)
- >46<=49 (95%tile)
- >49<=56 (98%tile)
- >58<=61 (99%tile)
- >63<=67 (100%tile)

Till (<2 micron) 301 samples Nitric-Aqua Regia Leach/ICP-AES, Hg (cold vapour AAS) and As (hydride generation)

Appendix T-3-24



Legend

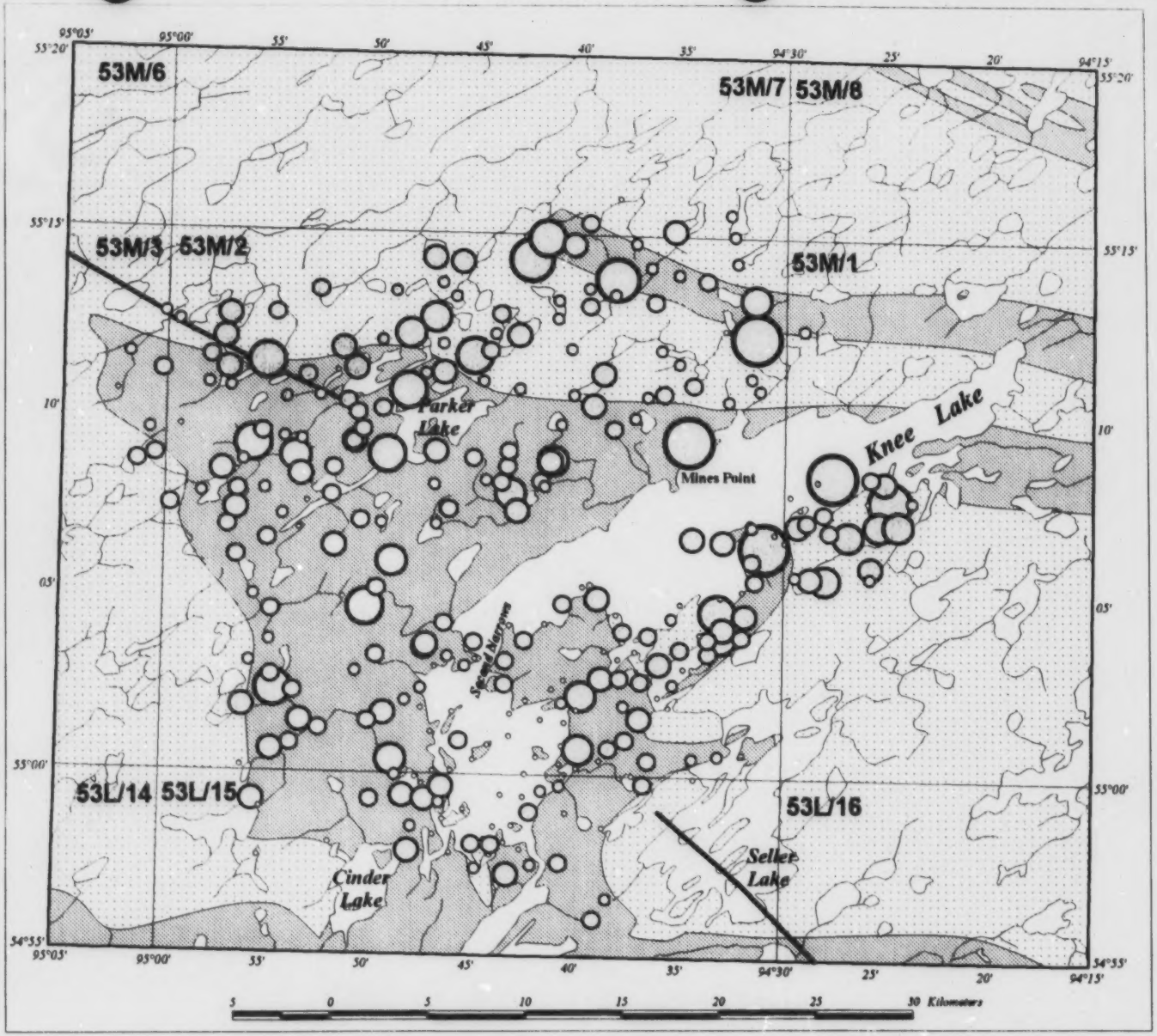
- Intrusive rocks
- Supracrustal rocks
- Dykes

Nb (ppm)

- >1<=3 (25%tile)
- >3<=4 (50%tile)
- >4<=5 (75%tile)
- >5<=6 (90%tile)
- >6<=6 (95%tile)
- >6<=7 (98%tile)
- >7<=8 (99%tile)
- >8<=10 (100%tile)

Till (<2 micron) 301 samples Nitric-Aqua Regia Leach/ICP-AES, Hg (cold vapour AAS) and As (hydride generation)

Appendix T-3-25



Legend

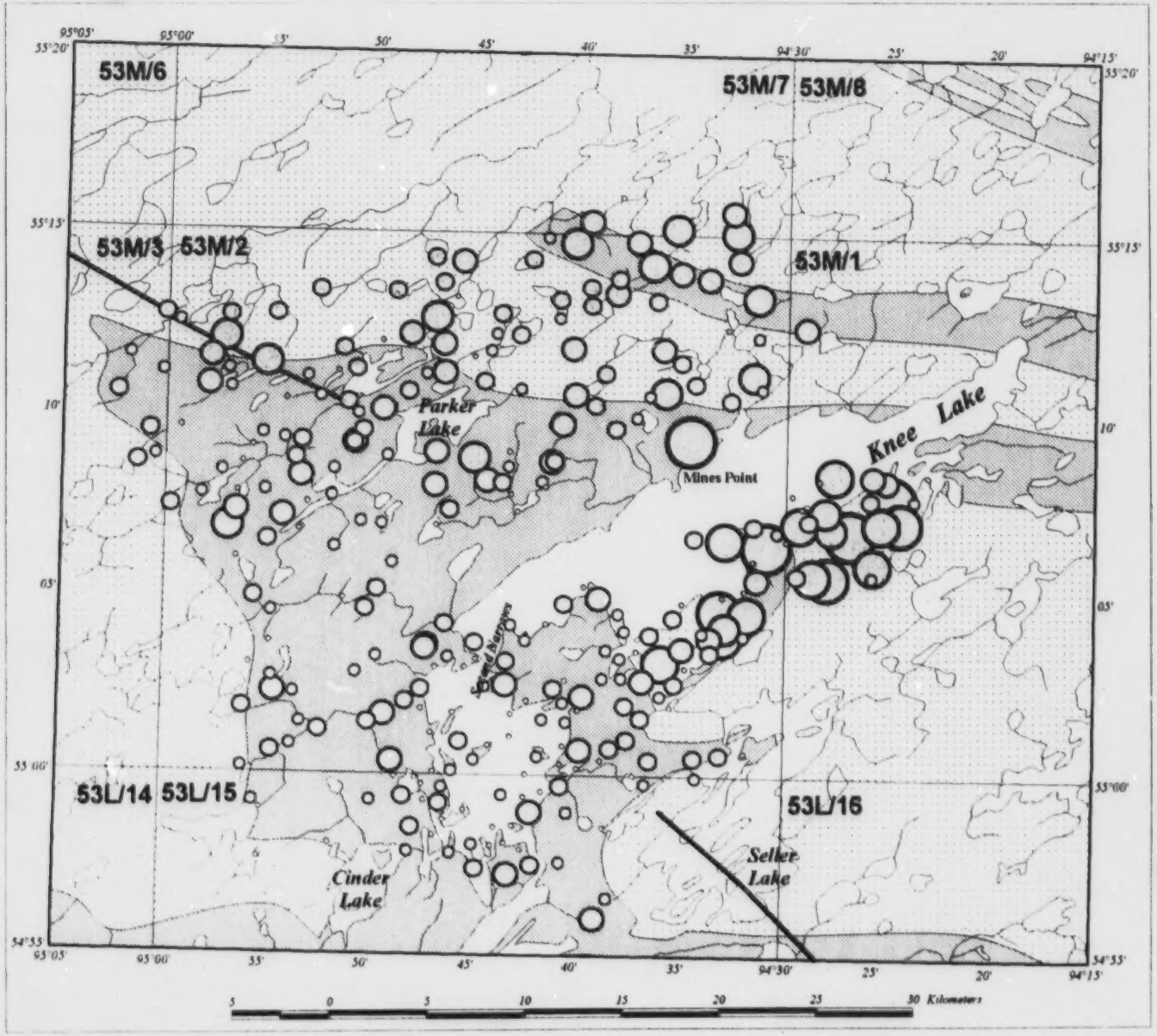
- Intrusive rocks
- Supracrustal rocks
- Dykes

Sc (ppm)

- >2.5<=5.0 (25%tile)
- >5.0<=6.0 (50%tile)
- >6.0<=7.0 (75%tile)
- >7.0<=8.0 (90%tile)
- >8.0<=8.5 (95%tile)
- >9.0<=9.0 (98%tile)
- >9.0<=10.0 (99%tile)
- >10.0<=16.0 (100%tile)

Till (<2 micron) 301 samples Nitric-Aqua Regia Leach/ICP-AES, Hg (cold vapour AAS) and As (hydride generation)

Appendix T-3-26



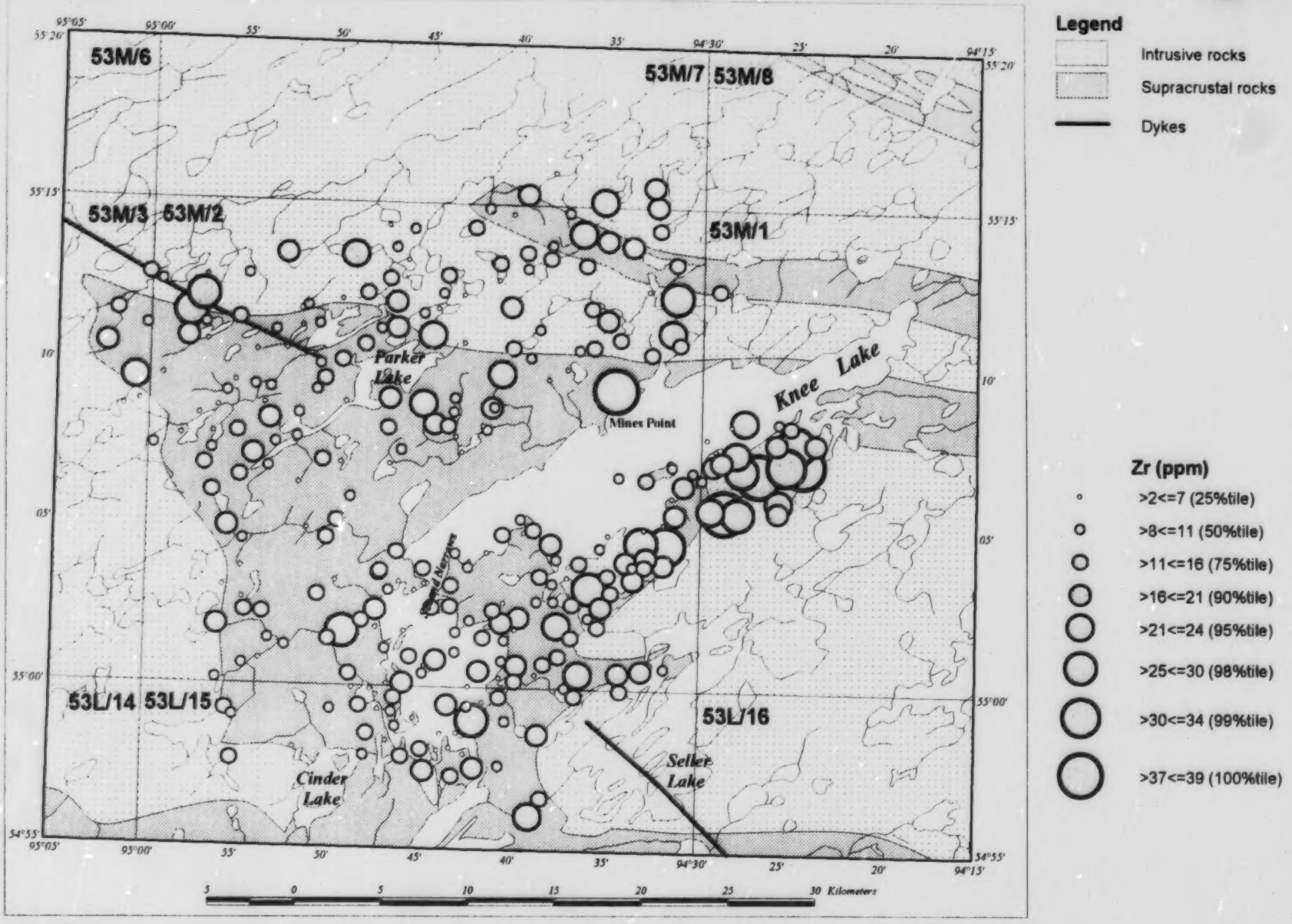
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Ti (wt.%)

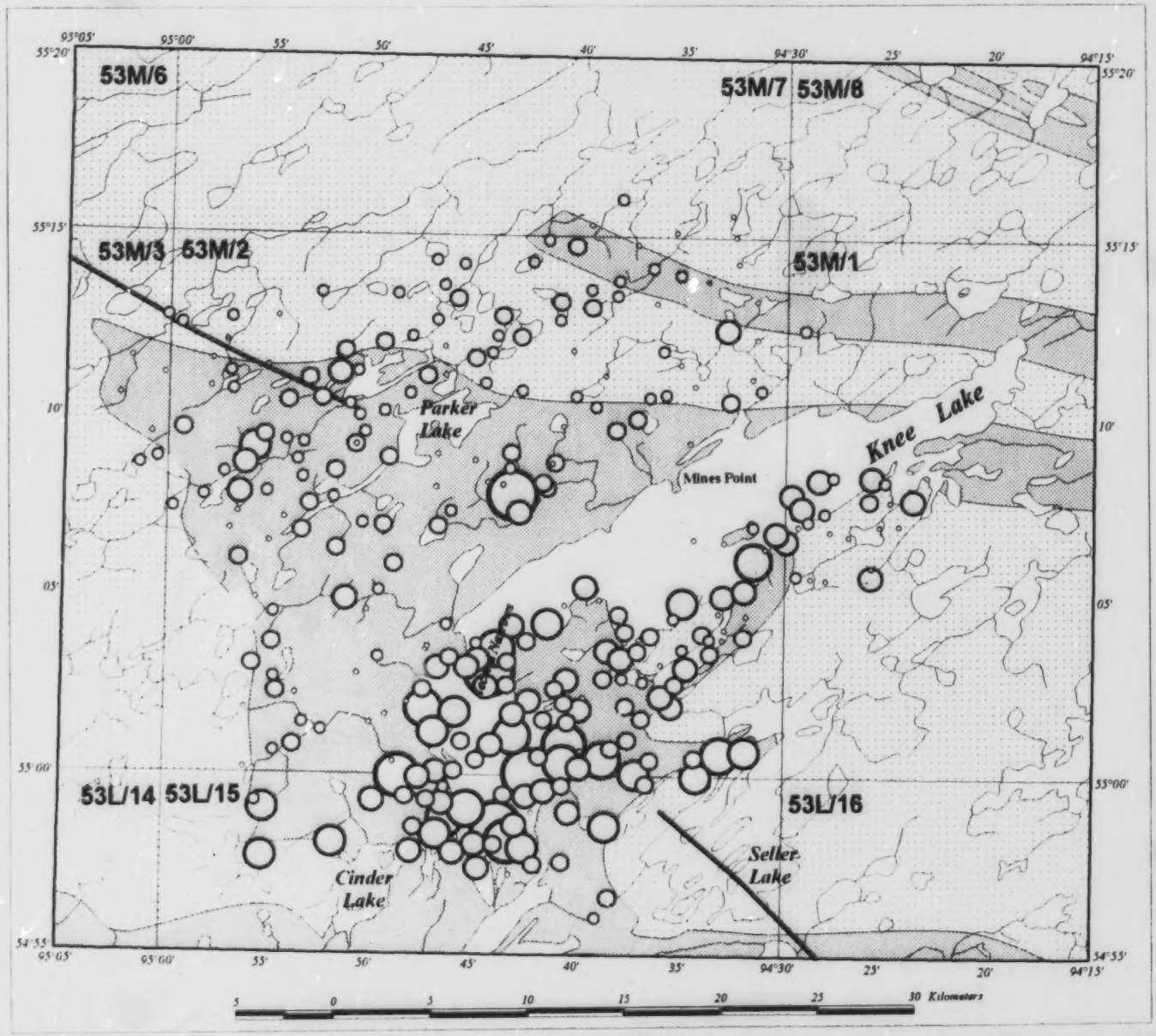
- >0.040<=0.100 (25%tile)
- >0.100<=0.118 (50%tile)
- >0.118<=0.134 (75%tile)
- >0.134<=0.148 (90%tile)
- >0.148<=0.163 (95%tile)
- >0.164<=0.181 (98%tile)
- >0.183<=0.197 (99%tile)
- >0.198<=0.210 (100%tile)

Till (<2 micron) 301 samples Nitric-Aqua Regia Leach/ICP-AES, Hg (cold vapour AAS) and As (hydride generation)



Till (<2 micron) 301 samples Nitric-Aqua Regia Leach/ICP-AES, Hg (cold vapour AAS) and As (hydride generation)

Appendix T-3-28



Legend

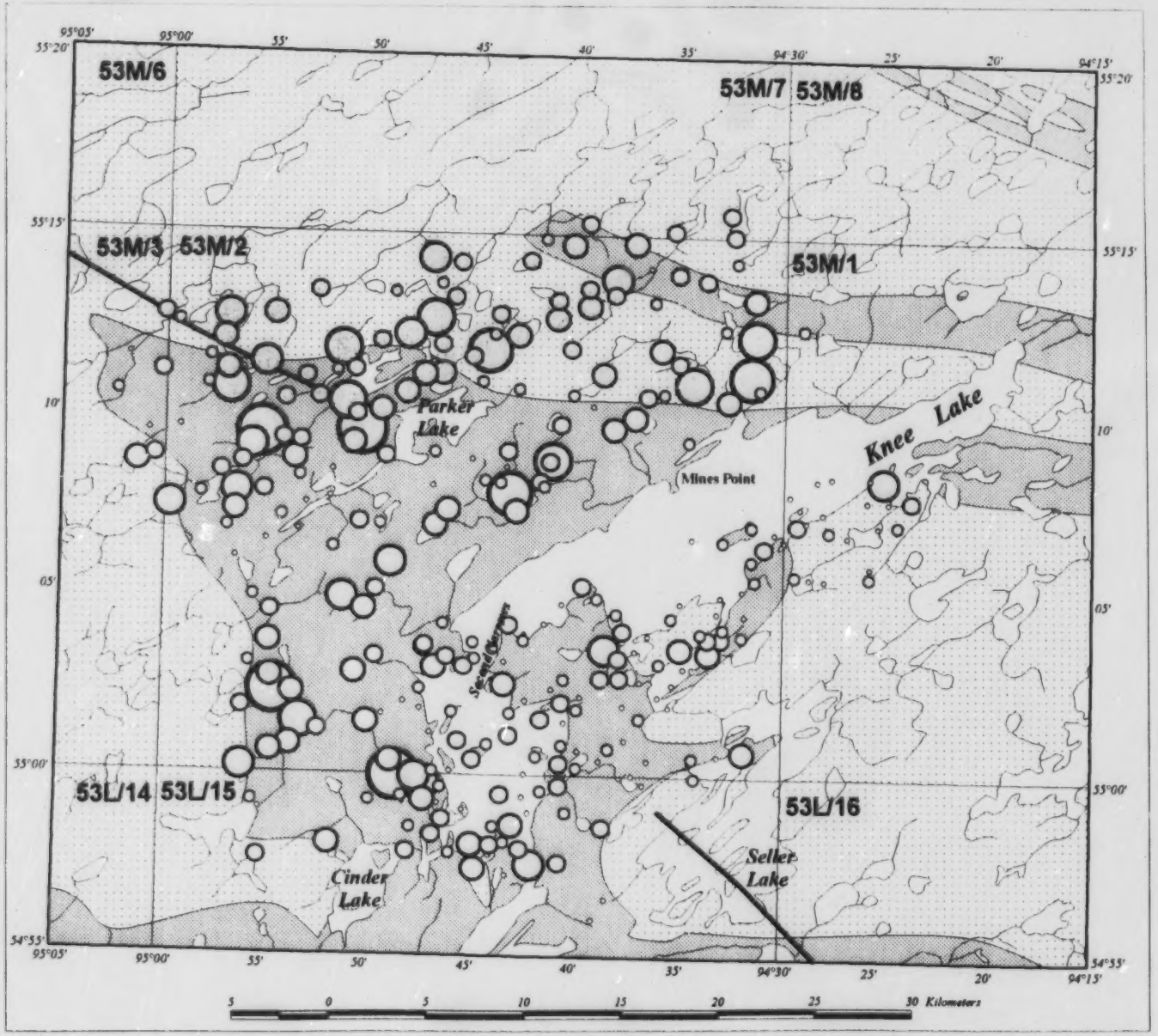
- Intrusive rocks
- Supracrustal rocks
- Dykes

S (wt.%)

- >0.005<=0.050 (25%tile)
- >0.050<=0.060 (50%tile)
- >0.060<=0.070 (75%tile)
- >0.070<=0.100 (90%tile)
- >0.100<=0.120 (95%tile)
- >0.120<=0.125 (98%tile)
- >0.130<=0.140 (99%tile)
- >0.140<=0.170 (100%tile)

Till (<2 micron) 301 samples Nitric-Aqua Regia Leach/ICP-AES, Hg (cold vapour AAS) and As (hydride generation)

Appendix T-3-29



Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

As (hydride ppm)

- >1.4<=4.0 (25%tile)
- >4.0<=5.0 (50%tile)
- >5.0<=6.2 (75%tile)
- >6.2<=8.3 (90%tile)
- >8.3<=9.5 (95%tile)
- >9.5<=11.2 (98%tile)
- >11.6<=12.0 (99%tile)
- >12.2<=24.0 (100%tile)

Till (<2 micron) 301 samples Nitric-Aqua Regia Leach/ICP-AES, Hg (cold vapour AAS) and As (hydride generation)

Appendix T-3-30

INA Analyses For The <63 Micron Size Fraction Of Till Samples.

Sample Site	UTM		Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb
	Easting	Northing	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm
2000T-1	376811.59	6095036.00	1	3	3.1	370	8.5	13	6	47	1	1.74	9	1	3	6	1.07	10	64	0.2
2000T-2	377219.03	6094650.00	1	3	2.1	360	6.2	20	5	32	2	1.44	5	1	3	3	0.98	10	75	0.2
2000T-4	377113.03	6092150.50	1	3	3.0	350	4.3	16	5	32	1	1.28	7	1	3	1	1.02	10	24	0.3
2000T-6	380742.38	6092790.50	1	3	2.1	400	4.9	14	4	40	1	1.28	12	1	3	3	1.13	10	46	0.1
2000T-8	384794.28	6092294.50	1	3	1.8	450	5.9	13	5	39	1	1.28	8	1	3	3	1.13	10	56	0.1
2000T-9	384964.69	6093535.50	1	3	2.1	360	4.5	16	5	34	1	1.33	6	1	3	2	1.02	10	58	0.3
2000T-12	386406.75	6094751.50	1	3	2.3	360	4.9	14	5	35	1	1.25	6	1	3	1	0.98	10	53	0.3
2000T-13	382872.97	6094968.00	1	3	2.8	390	4.9	13	6	36	1	1.36	7	1	3	1	1.02	10	45	0.2
2000T-14	384536.25	6095146.50	1	3	1.8	430	5.8	14	3	32	1	1.16	7	1	3	1	1.03	10	40	0.2
2000T-15	385545.63	6095757.00	1	3	2.2	450	5.5	16	5	33	1	1.12	9	1	3	1	1.07	10	39	0.3
2000T-16-1 Analytical Duplicate	389243.59	6093479.00	1	3	2.3	330	5.2	16	3	28	1	0.99	5	1	3	1	0.94	10	49	0.2
2000T-16-2 Analytical Duplicate	389243.59	6093479.00	1	3	3.3	420	5.5	15	4	33	1	1.23	5	1	3	1	0.94	10	43	0.2
2000T-17	388099.72	6092595.00	1	3	2.0	330	4.7	13	4	30	1	1.16	6	1	3	1	1.02	10	31	0.2
2000T-18	386987.81	6092178.00	1	3	3.0	350	5.0	17	6	39	1	1.41	6	1	3	1	0.97	10	49	0.3
2000T-24	389871.75	6091013.50	1	3	1.8	550	5.7	15	6	38	2	1.42	6	1	3	2	1.07	10	44	0.1
2000T-25	388257.63	6091353.50	1	3	2.2	470	5.1	17	5	33	1	1.17	7	1	3	1	1.07	10	52	0.3
2000T-26	386632.31	6093907.50	1	3	1.6	430	4.4	17	4	28	1	1.11	8	1	3	1	1.05	10	25	0.2
2000T-27	387695.53	6094386.00	1	3	2.0	390	5.5	16	4	34	1	1.15	6	1	3	3	0.97	10	49	0.1
2000T-28	392562.69	6091566.00	1	3	2.7	500	5.0	13	5	38	2	1.34	7	1	3	2	1.04	10	49	0.1
2000T-29	392950.53	6094153.50	1	3	2.0	530	5.5	15	5	35	1	1.24	6	1	3	1	1.02	10	47	0.1
2000T-30	387156.56	6099410.50	1	3	2.4	370	4.5	14	5	33	1	1.08	7	1	3	1	0.99	10	47	0.3
2000T-31	386046.34	6098399.00	1	3	1.4	440	5.4	17	4	30	1	1.22	5	1	3	1	1.00	10	50	0.1
2000T-33	387468.13	6097904.00	1	3	2.6	430	5.3	14	4	35	1	1.27	8	1	3	1	1.08	10	31	0.1
2000T-34	387794.94	6101729.00	1	3	2.4	330	4.3	13	4	26	1	0.96	6	1	3	1	1.04	10	53	0.3
2000T-35-1 Analytical Duplicate	386267.97	6101746.50	1	3	2.3	410	4.8	20	4	28	1	1.19	5	1	3	3	0.90	10	41	0.3
2000T-35-2 Analytical Duplicate	386267.97	6101746.50	1	3	3.0	420	4.9	15	5	34	1	1.21	6	1	3	1	1.01	10	47	0.3
2000T-36	385510.63	6100612.00	1	3	2.0	410	4.2	18	3	33	1	1.24	7	1	3	1	1.00	10	51	0.2
2000T-37	394285.81	6088654.00	1	3	2.0	470	4.5	17	5	41	2	1.62	6	1	3	1	1.10	10	68	0.3
2000T-38	394987.06	6089686.50	1	3	2.3	390	5.3	16	6	38	2	1.56	7	1	3	1	0.99	10	59	0.2
2000T-39	394829.91	6093366.00	1	3	1.8	420	5.1	17	4	31	1	1.12	7	1	3	1	1.03	10	40	0.2
2000T-40	396930.69	6095529.50	1	3	2.1	450	8.0	13	8	59	2	2.12	6	1	3	1	0.90	10	69	0.2
2000T-41	397175.34	6096765.50	1	3	2.9	610	4.1	13	8	52	3	2.22	6	1	3	1	1.47	10	120	0.1
2000T-42	392622.44	6095510.50	1	3	2.5	390	3.8	15	5	33	1	1.37	7	1	3	1	1.01	10	38	0.2
2000T-43	399444.06	6096834.00	1	3	1.8	400	4.1	16	3	29	1	1.05	6	1	3	1	0.99	10	33	0.2
2000T-44	396369.22	6096019.00	14	3	1.9	350	4.8	16	5	31	1	1.27	6	1	3	6	0.90	10	49	0.3
2000T-45	395159.84	6097386.00	1	3	2.0	420	4.7	16	5	34	1	1.20	6	1	3	1	0.98	10	32	0.2
2000T-46	396015.28	6097819.50	1	3	1.0	390	4.8	16	4	31	1	1.04	5	1	3	1	1.01	10	42	0.1
2000T-47	396755.06	6098921.50	1	3	1.8	360	6.5	10	6	54	1	1.51	7	1	3	3	1.08	10	61	0.1
2000T-48	395938.59	6099589.00	1	3	2.0	430	5.3	16	6	40	2	1.81	4	1	3	3	1.10	10	69	0.1
2000T-49	396828.66	6100814.00	1	3	3.1	480	4.3	15	6	37	2	1.61	5	1	3	1	1.05	10	45	0.1
2000T-50	394790.84	6100997.50	1	3	1.7	490	5.4	13	3	34	1	1.13	7	1	3	4	1.09	10	31	0.2
2000T-51	393755.47	6100100.50	1	3	2.2	470	5.9	13	6	45	1	1.55	7	1	3	1	1.09	10	66	0.3
2000T-52	400768.63	6096955.50	1	3	2.7	450	5.6	13	7	58	2	1.87	6	1	3	1	1.00	10	61	0.1
2000T-53-1 Analytical Duplicate	399544.66	6095816.50	4	3	2.6	410	5.0	15	4	38	1	1.28	6	1	3	1	1.01	10	47	0.3
2000T-53-2 Analytical Duplicate	399544.66	6095816.50	1	3	2.4	320	3.6	15	5	40	1	1.14	6	1	3	1	0.97	10	29	0.2
2000T-54	402068.50	6097093.50	1	3	2.5	430	4.4	16	4	33	1	1.07	7	1	3	1	1.00	10	44	0.2
2000T-55	390952.91	6099942.50	1	3	2.2	450	3.5	17	5	35	1	1.28	6	1	3	5	0.99	10	52	0.3

Sample Site	UTM		Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb
	Easting	Northing	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm
2000T-56	397265.06	6103193.00	1	3	1.7	380	4.4	15	3	28	1	0.92	7	1	3	4	1.02	10	59	0.1
2000T-57	395006.56	6102457.50	1	3	2.2	400	5.6	14	4	31	1	1.18	7	1	3	1	1.04	10	39	0.1
2000T-58	395716.94	6102027.50	1	3	1.8	350	4.6	14	4	30	1	0.97	7	1	3	1	0.96	10	31	0.2
2000T-60	395773.38	6101007.00	1	3	2.3	390	5.2	14	4	35	1	1.14	9	1	3	2	1.09	10	39	0.3
2000T-61	392900.03	6100991.00	1	3	1.5	360	5.0	15	3	38	1	1.01	7	1	3	1	1.03	10	39	0.1
2000T-62	389885.03	6101959.00	2	3	2.3	420	4.4	18	4	30	1	1.14	6	1	3	1	1.04	10	36	0.1
2000T-64	392260.47	6100523.00	1	3	1.3	410	4.7	14	4	32	1	1.11	6	1	3	4	1.05	10	40	0.2
2000T-65	393553.56	6099419.00	1	3	2.6	420	5.2	16	5	29	1	1.17	7	1	3	1	1.01	10	41	0.3
2000T-66	394714.06	6096812.00	1	3	2.0	410	6.0	20	4	32	1	1.08	6	1	3	1	0.89	10	51	0.1
2000T-67	397742.78	6100050.50	1	3	1.5	420	10.9	17	7	38	2	1.70	4	1	3	2	0.95	10	70	0.1
2000T-68	399084.13	6101491.00	1	3	1.9	380	6.1	19	6	38	2	1.62	5	1	3	4	1.03	10	58	0.1
2000T-69-1 Analytical Duplicate	398290.31	6099503.50	1	3	1.6	360	4.1	14	3	32	1	1.09	7	1	3	1	1.05	10	37	0.1
2000T-69-2 Analytical Duplicate	398290.31	6099503.50	1	3	1.8	380	6.4	17	5	26	1	1.20	6	1	3	1	0.98	10	51	0.2
2000T-71	399944.16	6103230.00	1	3	1.8	380	4.8	17	5	38	1	1.34	6	1	3	2	1.04	10	65	0.1
2000T-72	402259.69	6104161.50	1	3	1.9	460	1.7	11	7	48	2	1.93	6	1	3	5	1.35	10	78	0.3
2000T-73	402783.03	6105930.50	1	3	1.6	370	4.1	14	4	28	1	1.01	6	1	3	1	1.09	10	51	0.1
2000T-74	404843.22	6106167.00	1	3	2.1	380	3.4	14	4	30	1	1.01	6	1	3	1	1.05	10	44	0.1
2000T-75	404345.91	6107971.00	1	3	1.6	420	5.1	16	4	29	1	1.05	6	1	3	1	1.05	10	36	0.2
2000T-76-1 Analytical Duplicate	405489.13	6108952.50	1	3	1.8	530	4.8	12	5	39	2	1.45	5	1	3	1	1.22	10	60	0.1
2000T-76-2 Analytical Duplicate	405489.13	6108952.50	1	3	1.4	460	4.5	14	5	33	2	1.43	5	1	3	1	1.22	10	68	0.1
2000T-77	407618.00	6108196.00	1	3	1.8	690	0.3	4	10	56	4	2.36	7	1	3	1	2.08	10	105	0.3
2000T-78	409199.56	6108708.50	1	3	4.2	710	0.3	1	11	73	5	3.28	6	1	3	1	1.76	10	138	0.1
2000T-79	408686.88	6110003.50	1	3	1.2	410	4.0	15	6	37	2	1.42	4	1	3	3	1.05	10	57	0.3
2000T-80	409780.19	6109958.00	1	3	2.0	820	2.6	2	10	53	3	2.49	8	1	3	4	2.28	10	100	0.2
2000T-81	410936.50	6109974.50	1	3	2.9	410	5.1	15	5	31	1	1.18	6	1	3	1	1.06	10	43	0.1
2000T-82	410200.44	6108716.00	1	3	3.3	790	1.9	3	9	52	3	2.43	8	1	3	1	2.03	10	112	0.3
2000T-83	408701.53	6106066.50	1	3	2.7	420	5.0	15	4	30	2	1.07	6	1	3	1	1.00	10	57	0.1
2000T-84	393512.25	6096425.00	1	3	1.6	370	5.0	15	4	28	1	1.02	6	1	3	1	1.01	80	49	0.2
2000T-85	402062.69	6103060.50	1	3	2.3	370	3.7	14	5	27	2	1.15	6	1	3	1	1.04	10	51	0.2
2000T-86	405613.66	6106052.00	1	3	2.0	780	2.6	7	9	44	3	2.31	6	1	3	1	2.05	10	99	0.3
2000T-87	406394.53	6105961.00	1	3	2.1	610	3.6	8	6	51	2	1.86	8	1	3	4	1.60	10	75	0.2
2000T-88	406650.31	6108446.50	1	3	3.3	380	3.6	14	5	31	1	1.24	6	1	3	1	1.03	10	59	0.2
2000T-89	408752.84	6106602.00	10	3	3.5	740	2.8	1	6	49	2	1.98	7	1	3	1	2.23	10	100	0.4
2000T-90	391117.84	6091481.50	1	3	2.4	370	3.9	14	5	27	1	1.01	6	1	3	1	1.01	10	40	0.2
2000T-91	390579.66	6092302.50	1	3	2.9	350	4.4	16	5	29	1	1.05	6	1	3	1	0.95	10	44	0.2
2000T-93	389781.91	6092662.00	1	3	1.6	210	6.1	18	4	31	1	1.23	6	1	3	2	0.99	10	44	0.4
2000T-94	389081.13	6092532.00	1	3	1.5	420	5.2	13	3	30	1	0.98	6	1	3	1	1.11	10	47	0.1
2000T-96	386122.09	6093126.50	1	3	2.6	370	4.4	14	4	28	1	1.09	6	1	3	1	0.99	10	55	0.2
2000T-97	385659.50	6094922.00	1	3	1.5	370	4.9	12	4	25	1	0.88	7	1	3	1	1.08	10	34	0.2
2000T-98	390172.91	6093525.00	1	3	2.2	320	5.2	13	3	25	1	0.93	6	1	3	1	1.09	10	52	0.2
2000T-99	391068.38	6094189.00	1	3	2.9	560	3.7	9	8	50	3	2.11	7	1	3	4	1.13	10	74	0.2
2000T-100	390771.78	6095004.00	1	3	3.5	420	4.3	18	5	33	1	1.20	6	1	3	1	0.96	10	55	0.3
2000T-101	393612.16	6097352.00	1	3	2.8	460	4.5	11	9	83	3	2.04	7	1	3	1	1.17	10	70	0.3
2000T-102-1 Analytical Duplicate	392650.41	6096653.00	1	3	2.7	360	5.1	17	4	34	1	1.08	6	1	3	3	0.99	10	32	0.3
2000T-102-2 Analytical Duplicate	392650.41	6096653.00	1	3	3.5	400	5.2	14	4	33	1	1.08	6	1	3	2	1.00	10	31	0.2
2000T-104	390131.41	6099288.50	1	3	2.2	390	3.9	16	5	34	1	1.10	6	1	3	1	1.02	10	53	0.2
2000T-106	388754.06	6100689.00	1	3	1.9	360	4.4	16	4	26	1	1.09	6	1	3	4	1.00	10	47	0.2
2000T-107	388936.94	6101455.50	1	3	2.0	350	5.5	15	3	26	1	0.89	6	1	3	1	1.00	10	49	0.2
2000T-108	385521.41	6099638.00	1	3	1.7	410	4.3	16	3	26	1	0.89	5	1	3	1	1.00	10	34	0.1
2000T-109	386132.81	6096368.00	1	3	2.3	350	4.7	15	4	31	1	1.10	6	1	3	1	1.04	10	41	0.2
2000T-110	386549.38	6095571.00	1	3	2.9	450	5.8	12	6	46	2	1.76	5	1	3	1	0.98	10	49	0.1
2000T-112	392762.47	6099792.50	1	3	5.4	410	3.8	14	8	44	2	1.80	4	1	3	2	0.92	10	65	0.1
2000T-113	392921.88	6098805.00	1	3	2.7	400	3.9	17	4	33	2	1.12	4	1	3	1	0.91	10	57	0.2
2000T-114	392777.34	6097588.00	1	3	2.3	360	4.6	15	3	28	1	0.96	6	1	3	1	1.00	10	37	0.2

Sample Site	UTM		Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb
	Easting	Northing	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm
2000T-115	391675.25	6095251.50	2	3	2.1	350	4.5	14	4	27	2	1.13	7	1	3	1	1.04	10	51	0.3
2000T-116	389621.63	6095117.50	1	3	2.2	360	4.2	13	4	29	1	0.97	6	1	3	1	1.07	10	40	0.3
2000T-117	390853.22	6096177.00	1	3	2.0	330	4.0	16	3	21	1	0.84	4	1	3	1	0.96	10	30	0.1
2000T-118	391438.41	6097052.00	1	3	3.3	320	4.1	14	4	32	1	1.15	5	1	3	1	0.94	10	38	0.4
2000T-119	387047.13	6096397.00	1	3	2.0	350	3.7	16	4	32	2	1.11	5	1	3	1	0.94	10	45	0.2
2000T-120	388195.31	6096944.00	1	3	2.8	330	3.4	13	2	25	1	0.79	6	1	3	1	1.09	10	33	0.2
2000T-121	388949.72	6097695.50	1	3	3.3	430	4.2	15	4	24	1	1.05	5	1	3	1	1.00	10	47	0.2
2000T-122	390079.06	6098127.00	1	3	2.8	410	4.0	14	3	28	2	0.96	5	1	3	1	1.02	10	43	0.2
2000T-124	391713.34	6098945.50	1	3	2.4	350	4.8	14	5	29	1	1.27	6	1	3	1	0.98	10	43	0.1
2000T-125	388349.84	6102123.50	1	3	1.5	320	4.3	13	4	31	1	0.98	7	1	3	1	0.95	10	51	0.2
2000T-126	389293.28	6102642.00	1	3	2.1	380	4.3	15	4	29	1	1.09	6	1	3	1	0.94	10	46	0.1
2000T-127	390127.16	6103821.50	1	3	2.0	330	4.0	13	3	27	1	0.95	6	1	3	1	0.96	10	37	0.2
2000T-128	390869.06	6103009.00	10	3	2.0	440	4.1	14	5	36	2	1.26	6	1	3	3	1.05	10	48	0.2
2000T-129	391955.44	6103866.00	1	3	1.5	390	5.8	15	3	24	1	1.07	6	1	3	1	1.07	10	42	0.2
2000T-130-1 Analytical Duplicate	392870.50	6104868.50	1	3	1.7	460	4.4	11	6	33	2	1.21	6	1	3	1	1.06	10	46	0.2
2000T-130-2 Analytical Duplicate	392870.50	6104868.50	1	3	1.8	380	4.2	12	4	32	1	1.10	6	1	3	1	1.01	10	56	0.2
2000T-131	393909.19	6105750.00	4	3	2.4	360	4.7	14	5	30	1	1.17	7	1	3	2	0.97	10	54	0.2
2000T-132	394643.75	6105112.00	1	3	3.3	430	5.6	10	6	42	2	1.62	6	1	3	4	1.03	10	51	0.1
2000T-133	395632.94	6104304.50	1	3	1.9	420	4.1	15	3	26	1	1.03	5	1	3	1	1.01	10	40	0.2
2000T-134	395953.06	6103406.50	1	3	1.3	400	4.6	14	3	28	1	0.96	6	1	3	1	1.07	10	21	0.1
2000T-135	398475.94	6100648.50	1	3	1.6	390	6.1	21	5	28	2	1.39	3	1	3	1	0.79	10	57	0.1
2000T-136	397807.00	6101720.00	1	3	2.8	370	4.0	15	4	30	1	1.23	6	1	3	1	1.04	10	33	0.1
2000T-137-1 Analytical Duplicate	398893.06	6102443.50	1	3	2.0	360	4.8	16	5	28	1	1.14	5	1	3	1	1.04	10	52	0.3
2000T-137-2 Analytical Duplicate	398893.06	6102443.50	1	3	2.1	350	4.6	16	4	29	1	1.09	6	1	3	1	1.06	10	44	0.2
2000T-138	400332.28	6102223.50	1	3	1.5	340	3.9	14	5	29	2	1.08	6	1	3	1	1.04	10	51	0.2
2000T-139	401013.91	6102969.00	1	3	2.0	470	4.8	13	5	33	1	1.25	7	1	3	1	1.13	10	47	0.1
2000T-140	396582.16	6102405.00	1	3	1.3	410	4.2	15	4	25	1	0.93	6	1	3	1	1.09	10	51	0.2
2000T-142	398461.16	6104054.50	1	3	2.4	330	3.2	15	3	25	1	0.93	5	1	3	2	0.99	10	37	0.1
2000T-143	398945.84	6104816.50	1	3	1.6	430	5.9	16	4	29	2	1.00	6	1	3	1	1.04	10	79	0.1
2000T-146	401035.00	6105142.00	1	3	1.3	330	4.4	16	4	26	2	1.10	6	1	3	1	0.97	10	58	0.1
2000T-148	400836.19	6104312.50	1	3	0.3	700	2.3	2	9	46	3	2.27	9	1	3	1	2.31	10	139	0.4
2000T-149-1 Analytical Duplicate	402139.66	6105434.00	1	3	2.7	370	4.5	16	4	29	2	1.02	6	1	3	1	1.01	10	30	0.2
2000T-149-2 Analytical Duplicate	402139.66	6105434.00	1	3	2.0	390	4.8	15	4	28	1	0.98	6	1	3	1	1.07	10	38	0.1
2000T-151	402635.81	6106941.00	1	3	1.9	430	6.0	9	4	34	1	1.20	7	1	3	1	1.16	10	26	0.1
2000T-152	403285.63	6107605.00	1	3	2.9	610	2.3	3	10	54	3	2.53	7	1	3	1	2.16	10	116	0.4
2000T-153	403857.41	6108381.00	1	3	1.8	340	4.3	13	3	26	1	1.10	6	1	3	1	1.01	10	42	0.3
2000T-154	405007.19	6108764.00	1	3	2.5	350	3.9	12	4	29	1	1.12	7	1	3	1	1.17	10	54	0.3
2000T-155	405182.97	6109662.50	1	3	1.6	410	4.3	12	4	28	1	1.02	7	1	3	1	1.16	10	47	0.2
2000T-157	402663.81	6108717.50	1	3	2.0	400	4.1	14	4	30	1	1.09	6	1	3	1	1.02	10	74	0.2
2000T-159	401165.03	6107954.50	1	3	1.9	400	3.7	13	4	28	1	1.09	6	1	3	5	1.02	10	39	0.3
2000T-160	399579.41	6108137.00	1	3	1.2	390	4.0	10	4	28	1	1.01	6	1	3	1	1.11	10	37	0.1
2000T-161	409503.97	6110965.50	1	3	4.1	320	4.2	14	5	31	1	1.27	5	1	3	1	0.96	10	32	0.2
2000T-162	408825.19	6111203.00	1	3	2.2	390	4.0	12	4	33	1	1.22	7	1	3	2	1.07	10	64	0.3
2000T-165	406840.56	6111248.50	1	3	2.9	560	5.5	1	7	51	2	2.29	13	1	3	1	1.85	10	80	0.1
2000T-166	406114.34	6111079.00	1	3	2.0	340	5.5	13	5	33	1	1.18	6	1	3	3	1.10	10	65	0.3
2000T-167	404689.56	6110332.00	1	3	2.1	340	5.4	13	5	27	1	1.21	7	1	3	1	1.04	10	67	0.2
2000T-169	406356.91	6109394.50	1	3	2.5	410	5.0	13	7	41	2	1.76	4	1	3	1	1.14	10	71	0.1
2000T-170	401106.94	6103466.00	1	3	2.0	300	4.1	12	4	31	1	0.97	6	1	3	1	1.03	10	41	0.2
2000T-171-1 Analytical Duplicate	400308.25	6102973.00	3	3	2.1	360	4.5	13	5	32	2	1.14	6	1	3	1	1.02	10	42	0.1
2000T-171-2 Analytical Duplicate	400308.25	6102973.00	3	3	2.1	360	4.2	13	4	27	1	1.14	6	1	3	1	1.03	10	41	0.2
2000T-173	385214.00	6096092.00	1	3	4.0	360	5.9	11	6	35	1	1.39	7	1	3	1	1.17	10	52	0.2
2000T-174	384167.44	6096184.50	1	3	5.7	390	8.7	9	10	44	2	2.04	11	1	3	3	1.31	10	42	0.2
2000T-175	388265.75	6102950.00	1	3	2.5	340	4.0	15	3	29	1	1.14	6	1	3	2	0.94	10	46	0.2
2000T-177	386911.66	6102253.00	1	3	2.2	390	4.2	11	4	35	1	1.17	9	1	3	2	1.13	10	41	0.2

Sample Site	UTM		Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb
	Easting	Northing	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm
2000T-178	383961.50	6096975.00	1	3	2.1	390	4.0	14	4	29	1	0.94	6	1	3	1	1.00	10	33	0.2
2000T-179-1 Analytical Duplicate	382763.03	6098971.50	1	3	2.1	340	4.6	12	4	29	1	0.93	6	1	3	1	1.04	10	40	0.2
2000T-179-2 Analytical Duplicate	382763.03	6098971.50	1	3	2.2	330	4.4	12	4	26	1	1.01	6	1	3	2	1.00	10	44	0.3
2000T-180	383572.19	6099390.00	3	3	2.1	450	4.0	12	4	34	1	1.33	5	1	3	1	0.81	10	57	0.1
2000T-182	385706.34	6102721.00	1	3	2.4	370	5.1	14	4	34	2	1.25	5	1	3	1	0.91	10	47	0.2
2000T-201	376329.06	6099848.50	1	3	3.4	270	4.4	13	6	42	2	1.58	5	1	3	1	0.92	10	62	0.2
2000T-202	377827.09	6101405.50	1	3	2.0	280	4.8	12	4	29	1	1.07	7	1	3	1	1.01	10	42	0.1
2000T-203	377759.09	6103205.50	1	3	2.4	250	5.3	13	4	28	1	1.06	7	1	3	2	1.04	10	40	0.1
2000T-204	379288.84	6099045.50	1	3	3.4	310	4.5	12	5	38	1	1.34	11	1	3	1	1.07	10	58	0.2
2000T-205	377938.81	6100685.00	1	3	4.3	290	4.9	11	4	31	2	1.23	6	1	3	1	1.06	10	56	0.2
2000T-206	376715.94	6102116.00	1	3	2.4	260	5.1	12	4	28	1	1.05	6	1	3	1	0.90	10	38	0.2
2000T-207	383212.94	6102354.00	1	3	1.9	310	4.5	14	4	30	1	0.97	6	1	3	3	0.89	10	42	0.1
2000T-209	377791.78	6097599.50	1	3	4.7	340	5.1	12	6	42	1	1.75	7	1	3	3	0.94	10	70	0.3
2000T-210	378771.63	6097898.50	1	3	3.3	310	5.9	13	5	41	1	1.47	14	1	3	1	0.95	10	43	0.2
2000T-211	386750.13	6103960.50	1	3	2.5	370	4.5	13	6	33	1	1.32	10	1	3	2	1.01	10	36	0.3
2000T-212	383294.22	6105784.50	1	3	2.1	320	4.3	12	4	29	1	0.97	7	1	3	1	1.02	10	40	0.3
2000T-213	381556.81	6105384.50	4	3	2.5	300	5.8	11	4	25	1	1.21	7	1	3	1	1.06	10	55	0.4
2000T-215	377864.75	6104760.00	1	3	2.8	340	4.7	12	5	27	1	1.07	6	1	3	1	0.93	10	28	0.3
2000T-216	383573.22	6109146.50	1	3	2.5	340	4.4	12	4	27	1	1.04	7	1	3	1	1.01	10	48	0.1
2000T-217	390236.81	6110548.50	1	3	1.5	410	5.7	10	4	27	1	0.94	7	1	3	1	1.14	10	27	0.2
2000T-218-1 Analytical Duplicate	389764.00	6111144.00	1	3	2.0	370	4.5	13	3	26	1	0.97	6	1	3	1	0.99	10	31	0.2
2000T-218-2 Analytical Duplicate	389764.00	6111144.00	1	3	1.5	330	4.9	13	4	28	1	1.08	6	1	3	1	0.95	10	43	0.3
2000T-219	390098.19	6111950.00	1	3	2.3	310	4.2	13	6	35	1	1.37	5	1	3	1	0.92	10	49	0.2
2000T-220	381027.66	6110614.00	1	3	2.1	280	4.8	15	4	30	2	1.14	4	1	3	2	0.93	10	35	0.3
2000T-221	377695.31	6108412.50	1	3	2.6	320	4.7	14	7	30	1	1.38	5	1	3	1	0.89	10	62	0.3
2000T-222	379349.53	6108925.00	1	3	2.3	360	4.5	14	4	31	1	1.16	6	1	3	1	1.00	10	50	0.2
2000T-223	381125.06	6107999.50	1	3	2.7	350	5.5	10	4	28	1	1.14	6	1	3	1	0.97	10	69	0.1
2000T-224	379795.09	6110312.00	1	3	3.8	300	4.4	14	5	31	1	1.19	6	1	3	1	0.96	10	37	0.1
2000T-225	379465.34	6111668.50	1	3	4.1	350	4.8	14	5	32	1	1.38	5	1	3	1	0.95	10	44	0.3
2000T-226	385778.38	6102867.50	1	3	4.3	420	4.9	13	5	35	2	1.52	5	1	3	1	0.98	10	57	0.2
2000T-227	389816.63	6100772.00	1	3	2.4	400	4.1	15	4	26	1	1.06	6	1	3	1	1.04	10	29	0.1
2000T-228	386397.94	6109043.50	1	3	2.4	360	5.2	14	3	29	1	1.03	7	1	3	1	1.06	10	35	0.2
2000T-229	384070.59	6107122.50	1	3	3.4	430	4.7	11	4	34	1	1.10	7	1	3	1	1.09	10	41	0.1
2000T-230	383904.16	6112613.50	1	3	2.2	430	8.1	11	6	41	3	1.53	8	1	3	1	1.29	10	55	0.1
2000T-231-1 Analytical Duplicate	382258.53	6113338.50	1	3	2.4	400	6.1	15	5	32	2	1.20	7	1	3	1	1.02	10	41	0.2
2000T-231-2 Analytical Duplicate	382258.53	6113338.50	1	3	2.3	390	6.0	14	5	35	2	1.24	7	1	3	1	1.02	10	46	0.3
2000T-232	390562.03	6109659.00	1	3	2.5	360	4.6	13	3	26	1	0.93	7	1	3	1	1.04	59	38	0.1
2000T-233	392016.75	6110904.50	1	3	3.4	360	4.5	13	5	30	1	1.08	7	1	3	1	1.00	10	45	0.2
2000T-234	392301.84	6112182.50	1	3	3.4	340	5.6	15	4	30	2	1.14	7	1	3	1	1.04	10	37	0.1
2000T-235	386428.03	6112778.00	1	3	2.5	360	4.7	14	4	28	1	1.06	5	1	3	1	0.99	10	41	0.2
2000T-236	381154.03	6111993.00	1	3	2.1	370	4.8	13	5	31	1	1.17	5	1	3	1	0.94	10	34	0.3
2000T-237	379199.69	6112599.50	1	3	3.0	340	4.1	10	5	31	1	1.12	7	1	3	1	1.02	10	29	0.2
2000T-238	386874.16	6116827.00	1	3	3.6	360	4.7	14	4	30	1	1.17	5	1	3	1	1.01	10	40	0.2
2000T-239	386481.22	6119657.00	2	3	1.9	380	4.3	12	4	26	1	1.12	7	1	3	1	1.06	10	53	0.2
2000T-240	385161.59	6118841.50	1	3	2.2	380	5.5	13	4	28	1	1.20	6	1	3	1	1.05	10	39	0.2
2000T-241	382370.50	6117084.50	1	3	3.1	320	4.0	14	4	28	1	1.17	6	1	3	1	1.02	10	45	0.2
2000T-242	381725.97	6118149.50	1	3	1.6	310	4.7	15	4	27	1	0.97	6	1	3	1	1.00	10	39	0.1
2000T-243	383723.41	6118533.50	1	3	2.8	280	4.0	12	3	25	1	1.00	5	1	3	1	0.96	10	39	0.3
2000T-244	389263.66	6117914.50	1	3	3.7	300	5.0	13	6	29	1	1.26	5	1	3	1	0.95	10	30	0.1
2000T-245	390752.63	6118711.00	1	3	2.8	350	4.3	13	3	24	1	0.89	6	1	3	1	0.98	10	30	0.3
2000T-246	389829.19	6119804.50	1	3	3.2	380	5.5	17	5	37	2	1.33	5	1	3	1	0.98	10	50	0.3
2000T-247	387542.09	6120739.50	1	3	3.2	400	4.9	14	5	30	1	1.13	7	1	3	1	1.04	10	38	0.1
2000T-248	387894.78	6122519.00	1	3	3.3	390	5.3	13	5	32	1	1.31	7	1	3	1	1.10	10	49	0.2
2000T-249	386461.28	6122755.00	1	3	2.3	420	4.4	14	4	33	1	1.12	8	1	3	1	1.08	10	36	0.1

Sample Site	UTM		Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb
	Easting	Northing	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm
2000T-250-1 Analytical Duplicate	392449.16	6112208.50	1	3	2.8	380	5.2	12	4	31	1	1.11	7	1	3	3	1.08	10	44	0.1
2000T-250-2 Analytical Duplicate	392449.16	6112208.50	1	3	2.6	430	5.6	12	4	30	1	1.11	8	1	3	3	1.07	10	30	0.1
2000T-251	391802.69	6111173.00	1	3	1.5	320	5.1	16	4	25	1	1.04	7	1	3	1	1.09	10	49	0.2
2000T-252	390174.03	6112731.00	1	3	3.8	340	6.3	16	4	32	1	1.17	7	1	3	2	0.99	10	33	0.3
2000T-253	395615.16	6113826.50	1	3	2.1	420	4.3	14	4	30	2	1.01	6	1	3	1	1.13	10	33	0.2
2000T-254	396711.59	6114399.00	1	3	3.0	440	4.2	14	4	27	1	1.07	6	1	3	1	1.10	10	49	0.2
2000T-255	398099.66	6117886.50	1	3	2.3	290	5.2	14	5	29	1	1.07	7	1	3	2	1.05	10	36	0.2
2000T-256	403018.75	6120422.00	1	3	3.0	260	5.2	12	4	26	1	1.02	5	1	3	1	0.98	10	40	0.2
2000T-257	403015.22	6118430.00	1	3	4.1	510	2.6	2	7	49	2	2.04	10	1	3	1	1.56	10	69	0.2
2000T-258	401426.78	6118891.00	1	3	2.0	340	5.6	14	3	25	1	0.90	6	1	3	1	1.02	10	36	0.1
2000T-259	394433.78	6120179.50	1	3	3.3	310	7.2	16	5	28	1	1.11	6	1	3	1	1.03	10	45	0.1
2000T-260	392810.16	6120480.50	1	3	2.1	350	3.9	15	4	26	1	1.02	6	1	3	1	1.05	10	36	0.1
2000T-261	395856.13	6121526.00	7	3	2.8	340	5.5	12	4	26	1	1.06	6	1	3	1	1.04	10	26	0.2
2000T-262	382201.84	6113313.00	1	3	2.2	350	5.7	14	5	32	1	1.17	6	1	3	1	1.07	10	51	0.2
2000T-263	382691.75	6113932.00	1	3	3.2	340	5.3	13	4	28	1	1.08	7	1	3	1	1.03	10	38	0.2
2000T-264	380485.66	6115711.50	1	3	2.5	340	4.4	15	4	28	1	1.04	7	1	3	1	1.08	10	48	0.2
2000T-265-1 Analytical Duplicate	379871.44	6116760.00	5	3	2.7	320	4.7	14	4	35	1	1.20	7	1	3	1	1.00	10	35	0.2
2000T-265-2 Analytical Duplicate	379871.44	6116760.00	1	3	2.4	320	4.9	14	6	38	1	1.29	7	1	3	1	0.98	10	44	0.2
2000T-266	381433.31	6117001.50	1	3	3.1	380	6.4	17	4	29	1	1.06	6	1	3	1	0.91	10	46	0.2
2000T-267	375915.06	6116255.00	1	3	2.3	380	6.3	12	3	29	1	0.90	7	1	3	1	1.03	10	31	0.1
2000T-268	378764.00	6115647.00	1	3	4.8	410	7.1	14	5	40	1	1.30	10	1	3	1	1.07	10	36	0.3
2000T-269	375817.69	6117177.00	1	3	2.1	410	4.6	12	4	30	1	1.01	7	1	3	1	1.19	10	45	0.1
2000T-270	375674.28	6118785.50	1	3	2.5	430	4.0	14	5	34	1	1.36	6	1	3	1	1.04	10	53	0.2
2000T-271	372623.97	6120092.00	1	3	3.2	360	5.4	13	5	34	1	1.20	6	1	3	1	1.04	10	42	0.3
2000T-272	381917.66	6115401.50	1	3	2.5	360	4.8	12	3	27	1	0.99	8	1	3	1	1.06	10	40	0.2
2000T-273	379539.09	6113473.00	1	3	2.9	350	4.2	16	4	31	2	1.13	4	1	3	1	0.91	10	37	0.3
2000T-274	378643.41	6113610.00	1	3	3.2	320	5.3	17	5	34	2	1.20	6	1	3	1	0.95	10	46	0.3
2000T-275	376090.72	6109961.00	1	3	1.1	390	5.3	14	4	32	1	1.23	7	1	3	1	1.07	10	44	0.2
2000T-276	376198.66	6110938.00	1	3	3.0	400	6.4	12	5	33	1	1.14	9	1	3	1	1.11	10	40	0.4
2000T-277	376521.69	6112449.50	1	3	3.7	320	6.6	16	4	34	1	1.21	7	1	3	1	0.94	10	40	0.2
2000T-278	375920.22	6119958.50	1	3	3.2	330	5.4	10	4	30	1	1.12	7	1	3	1	1.05	10	44	0.1
2000T-279	380540.75	6121179.00	1	3	3.2	350	5.9	16	5	42	2	1.42	6	1	3	1	1.04	65	64	0.2
2000T-280	377783.25	6117499.50	1	3	4.2	470	5.9	12	7	34	1	1.48	9	1	3	1	1.13	10	40	0.2
2000T-281-1 Analytical Duplicate	375405.56	6111977.50	1	3	3.1	370	5.4	13	4	30	1	1.07	8	1	3	1	1.13	10	43	0.2
2000T-281-2 Analytical Duplicate	375405.56	6111977.50	1	3	3.1	410	5.4	12	4	38	1	1.25	8	1	3	1	1.24	10	44	0.2
2000T-282	374344.63	6110827.50	1	3	3.6	360	6.2	15	5	36	1	1.32	7	1	3	3	1.06	10	46	0.1
2000T-283	372750.41	6110253.50	1	3	3.2	370	5.3	14	5	33	1	1.18	7	1	3	2	1.08	10	45	0.2
2000T-284	371076.44	6112518.50	1	3	2.8	420	5.9	14	4	30	1	1.10	7	1	3	1	1.10	10	38	0.2
2000T-285	373327.72	6114288.50	1	3	2.1	310	6.8	20	3	31	1	1.10	5	1	3	1	0.81	10	38	0.1
2000T-286	371991.28	6112810.50	1	3	2.1	400	4.5	15	3	30	1	1.01	8	1	3	1	1.01	10	50	0.1
2000T-287	377537.22	6113875.00	7	3	4.1	400	4.9	15	5	42	1	1.26	7	1	3	1	1.08	10	46	0.2
2000T-288	377012.94	6113260.00	1	3	3.2	380	5.8	12	4	40	1	1.12	9	1	3	1	1.12	10	33	0.1
2000T-289	377610.78	6110969.00	1	3	2.9	320	3.8	14	4	28	1	1.04	7	1	3	1	0.97	10	32	0.3
2000T-290	382417.03	6114793.00	1	3	3.0	380	4.7	14	4	33	1	1.31	7	1	3	1	1.00	10	41	0.1
2000T-291	383696.41	6115010.50	1	3	2.2	380	4.4	15	2	24	1	1.00	7	1	3	1	0.95	10	53	0.2
2000T-292	385936.47	6116781.00	5	3	2.4	300	5.4	16	4	34	1	1.12	7	1	3	1	0.96	10	42	0.1
2000T-293	385024.91	6115886.00	4	3	2.0	450	4.7	15	4	28	1	1.06	7	1	3	3	1.03	10	46	0.2
2000T-294	388431.34	6117653.00	1	3	1.5	420	5.3	12	4	33	1	1.13	7	1	3	2	1.04	10	43	0.2
2000T-295	390772.88	6115942.50	1	3	1.9	370	4.7	13	4	30	1	1.02	9	1	3	4	1.00	10	41	0.3
2000T-296	388906.22	6116341.50	15	3	2.1	390	4.4	15	4	29	1	1.09	7	1	3	1	1.01	10	52	0.2
2000T-297	392777.22	6119550.50	1	3	2.5	340	5.1	15	4	27	1	1.00	7	1	3	3	0.96	10	26	0.2
2000T-298	386844.25	6118304.50	1	3	1.8	360	4.0	16	3	29	1	1.04	6	1	3	1	1.00	10	36	0.3
2000T-299	389554.72	6118795.50	1	3	1.7	390	4.7	15	4	29	1	1.01	6	1	3	1	0.96	10	38	0.2
2000T-300	397789.06	6120371.50	1	3	4.0	460	5.3	16	6	44	2	1.79	6	1	3	7	0.92	10	42	0.3

Sample Site	UTM		Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb
	Easting	Northing	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm
2000T-301	397379.28	6115475.50	1	3	2.3	380	5.3	14	4	28	1	1.07	7	1	3	1	0.95	10	44	0.2
2000T-302	398199.97	6115605.50	1	3	2.6	420	4.4	14	4	30	1	1.19	6	1	3	1	0.97	10	38	0.2
2000T-303	399031.28	6117196.50	1	3	3.0	360	3.0	14	4	27	1	1.03	7	1	3	4	0.93	10	38	0.1
2000T-304	399059.47	6121780.00	2	3	2.7	290	4.9	15	4	30	1	1.07	6	1	3	1	0.97	10	29	0.2
2000T-305	394394.06	6121113.00	4	3	3.0	370	4.6	14	4	30	1	1.12	8	1	3	6	0.98	10	47	0.3
2000T-306	395742.28	6120763.00	1	3	3.1	400	4.2	14	5	34	1	1.18	8	1	3	1	1.00	10	31	0.3
2000T-307	401533.19	6115214.50	1	3	3.0	380	4.8	12	4	33	1	1.15	8	1	3	1	1.06	10	43	0.3
2000T-309	391428.59	6122577.50	1	3	2.9	450	5.3	12	4	36	1	1.24	8	1	3	1	1.12	10	44	0.2
2000T-310-1 Analytical Duplicate	386862.44	6121457.50	1	3	3.7	450	6.1	15	5	40	1	1.42	6	1	3	1	0.95	10	58	0.2
2000T-310-2 Analytical Duplicate	386862.44	6121457.50	1	3	3.8	360	5.5	15	6	42	1	1.44	6	1	3	1	1.00	10	47	0.3
2000T-311	398860.28	6124033.50	1	3	3.4	440	5.5	16	5	41	2	1.58	7	1	3	1	0.93	10	37	0.3
2000T-312	401764.13	6124868.00	1	3	2.7	410	3.9	16	5	30	1	1.12	5	1	3	1	0.97	10	43	0.3
2000T-313	401949.66	6123755.50	1	3	3.5	400	5.3	14	4	29	1	1.08	7	1	3	1	0.99	10	53	0.2
2000T-315	394579.59	6115052.50	1	3	3.1	450	4.8	14	5	42	1	1.40	8	1	3	5	1.04	10	38	0.2
2000T-316	393563.53	6115607.50	1	3	2.3	460	5.2	14	4	31	1	1.31	7	1	3	1	1.11	10	60	0.2
2000T-317	395119.63	6116693.00	1	3	1.9	320	4.9	13	4	32	1	1.17	8	1	3	2	1.10	10	23	0.2
2000T-319	392888.03	6114085.00	1	3	3.0	380	4.6	14	4	32	1	1.13	8	1	3	1	1.06	10	47	0.3
2000T-320	393461.94	6117975.00	1	3	2.0	340	4.2	13	5	38	1	1.36	8	1	3	1	1.12	10	54	0.1
2000T-324	405468.59	6118863.50	1	3	2.1	400	4.4	13	5	41	1	1.52	7	1	3	5	1.18	10	60	0.1
2000T-325	402728.47	6116397.00	1	3	5.2	320	4.3	14	4	33	1	1.18	8	1	3	1	1.09	10	39	0.1
2000T-326	403152.28	6115757.50	1	3	3.2	420	4.4	14	4	34	1	1.19	8	1	3	1	1.09	10	28	0.2
2000T-328	399453.69	6113119.50	3	3	2.6	760	0.3	1	10	61	3	2.75	8	1	3	1	2.12	10	130	0.5
2000T-329-1 Analytical Duplicate	399739.69	6116073.00	2	3	2.8	360	4.3	12	3	31	1	1.04	8	1	3	1	1.10	10	36	0.3
2000T-329-2 Analytical Duplicate	399739.69	6116073.00	2	3	2.6	370	4.4	12	5	36	1	1.27	9	1	3	1	1.20	10	33	0.3
2000T-330	400493.94	6121466.50	3	3	3.8	330	4.3	14	6	38	1	1.38	7	1	3	1	1.09	10	35	0.2
2000T-331	397631.47	6122161.50	1	3	2.7	460	4.3	13	6	34	1	1.36	6	1	3	1	1.13	10	39	0.2
2000T-333	388990.78	6111278.50	1	3	3.6	350	3.6	14	4	29	1	1.00	7	1	3	5	1.01	10	38	0.2
2000T-334	388337.50	6112415.00	1	3	3.6	360	4.1	13	5	36	1	1.41	6	1	3	-2	1.00	10	52	0.1
2000T-335	387047.66	6109799.50	1	3	2.9	380	4.9	13	4	30	1	1.14	7	1	3	1	1.10	10	33	0.1
2000T-336	386319.13	6111064.50	1	3	2.4	420	4.6	12	4	32	1	1.22	7	1	3	2	1.00	10	30	0.1
2000T-337	382498.38	6109258.00	1	3	2.7	410	4.9	13	4	32	1	1.18	7	1	3	1	1.04	10	43	0.2
2000T-339	384452.22	6121046.00	1	3	1.8	420	3.8	15	5	31	1	1.29	6	1	3	1	0.97	10	48	0.1
2000T-341	378317.00	6120022.00	1	3	2.9	400	4.6	11	3	28	1	1.03	7	1	3	1	1.13	10	44	0.2
2000T-343	374800.81	6116438.50	1	3	1.5	380	5.3	16	5	32	1	1.13	7	1	3	1	1.06	10	48	0.1
2000T-344	374923.78	6117839.50	1	3	3.1	410	4.6	14	7	36	1	1.52	6	1	3	1	1.08	10	44	0.1
2000T-345-1 Analytical Duplicate	373345.66	6119686.50	1	3	2.7	430	5.1	15	4	31	1	1.11	6	1	3	1	1.08	10	36	0.2
2000T-345-2 Analytical Duplicate	373345.66	6119686.50	1	3	2.9	450	5.5	14	4	34	1	1.23	6	1	3	1	1.12	10	34	0.2
2000T-346	370761.88	6118036.00	1	3	4.1	450	5.9	14	7	42	1	1.71	6	1	3	4	0.97	10	44	0.3
2000T-347	372443.16	6117141.00	1	3	2.5	420	4.1	13	4	34	1	1.12	6	1	3	6	1.05	10	47	0.1
2000T-348	370122.25	6116112.50	1	3	3.6	380	3.9	15	4	27	1	0.99	5	1	3	5	1.01	10	42	0.2
2000T-349	371728.59	6114122.50	1	3	3.0	390	6.2	15	5	31	1	1.19	5	1	3	1	0.98	10	54	0.2
2000T-350	402081.97	6122364.50	1	3	4.0	380	3.4	17	4	33	1	1.31	6	1	3	1	1.08	10	25	0.2
2000T-351	396866.97	6123412.50	1	3	2.8	410	5.4	13	4	34	1	1.09	8	1	3	1	1.04	10	40	0.1
2000T-352	394480.94	6124486.00	1	3	4.3	380	4.2	15	7	40	2	1.52	6	1	3	1	1.03	10	37	0.3
2000T-353	396067.84	6125747.00	1	3	3.0	380	4.3	14	4	30	1	1.05	8	1	3	1	0.99	10	32	0.1
2000T-354	392236.41	6123705.50	1	3	0.3	440	4.3	12	4	34	1	1.08	8	1	3	1	1.08	10	38	0.2
2000T-355	393649.88	6123363.00	4	3	1.7	450	4.0	10	4	31	1	1.09	8	1	3	1	1.15	10	41	0.1
2000T-356	378960.09	6100575.00	1	3	2.8	460	6.7	13	5	35	1	1.20	7	1	3	1	1.03	10	45	0.2
2000T-357	382146.16	6101546.50	1	3	3.2	320	5.3	14	4	33	1	1.16	7	1	3	1	1.04	10	51	0.1
2000T-358	384700.47	6100007.50	1	3	1.3	410	5.8	13	5	30	1	1.16	5	1	3	1	1.01	10	34	0.3
2000T-361	376265.22	6096775.50	1	3	1.7	410	4.3	10	4	32	1	1.04	9	1	3	1	1.12	10	25	0.1
2000T-362	380254.41	6098643.00	1	3	1.9	440	5.2	14	3	33	1	1.16	6	1	3	1	1.00	10	42	0.1
2000T-364	382689.63	6104796.00	1	3	3.4	450	4.6	13	4	32	1	1.06	7	1	3	1	1.06	10	35	0.1
2000T-365	376956.47	6105531.50	1	3	1.4	410	5.3	12	5	33	1	1.14	6	1	3	1	1.04	10	38	0.3

Sample Site	UTM		Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb
	Easting	Northing	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm
2000T-366	376100.69	6107566.50	1	3	1.3	450	6.3	14	4	37	2	1.30	8	1	3	1	1.08	10	46	0.1
2000T-367	378498.88	6109643.00	1	3	2.9	500	5.5	14	6	37	2	1.35	8	1	3	1	1.09	10	52	0.3
2000T-368	375676.59	6109114.50	1	3	5.4	420	5.5	13	9	52	2	2.13	6	1	3	1	1.03	10	70	0.2

Sample Site	Sc	Se	Sn	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	TREE	Mass
	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
2000T-1	5.9	2	0.01	0.03	1.0	8.0	1.1	1	25	25.5	58	20	3.7	0.9	0.3	1.7	0.25	110.30	7.819
2000T-2	5.2	2	0.01	0.03	0.3	9.7	1.6	1	56	23.6	58	16	3.3	0.6	0.9	1.4	0.22	104.02	4.677
2000T-4	4.7	2	0.01	0.03	0.3	6.4	1.7	2	25	21.7	50	17	3.3	0.8	0.3	1.5	0.26	94.81	7.234
2000T-6	4.5	3	0.01	0.03	0.3	8.1	1.5	1	25	23.8	51	24	3.5	0.8	0.3	1.9	0.28	105.53	8.996
2000T-8	5.3	2	0.01	0.03	1.0	7.4	0.3	1	25	24.9	54	15	3.7	0.9	0.3	1.8	0.27	100.82	7.362
2000T-9	5.0	2	0.01	0.03	0.3	7.3	1.4	1	25	23.5	53	19	3.3	0.7	0.3	1.5	0.25	101.50	6.615
2000T-12	5.1	4	0.01	0.03	0.3	7.4	1.4	1	65	23.6	49	20	3.3	0.8	0.3	1.5	0.23	98.68	6.777
2000T-13	5.8	2	0.01	0.03	1.3	8.1	1.3	1	25	25.7	59	23	3.7	0.8	0.3	1.7	0.25	114.40	6.563
2000T-14	4.8	2	0.01	0.03	1.2	6.1	1.6	1	25	21.7	49	18	3.2	0.8	0.3	1.7	0.26	94.91	6.901
2000T-15	4.3	2	0.01	0.03	0.3	6.8	1.5	1	25	21.4	50	15	3.3	0.8	0.3	1.6	0.24	92.59	8.245
2000T-16-1 Analytical Duplicate	4.1	2	0.01	0.03	0.3	4.1	1.1	1	25	16.5	37	15	2.7	0.7	0.3	1.3	0.19	73.64	5.766
2000T-16-2 Analytical Duplicate	4.5	2	0.01	0.03	0.3	5.8	1.0	1	25	19.4	41	17	2.9	0.7	0.3	1.4	0.20	82.85	6.291
2000T-17	4.6	2	0.01	0.03	0.3	5.7	1.2	1	25	20.7	46	20	3.1	0.7	0.3	1.6	0.24	92.59	6.678
2000T-18	5.3	2	0.01	0.03	0.3	7.4	1.4	1	25	23.7	51	12	3.5	0.7	0.3	1.6	0.26	93.01	6.131
2000T-24	5.5	2	0.01	0.03	0.3	7.3	1.8	1	25	24.2	49	17	3.5	0.9	0.3	1.6	0.26	96.71	6.358
2000T-25	4.6	2	0.01	0.03	0.3	6.4	1.2	1	25	20.6	45	20	3.2	0.7	0.3	1.5	0.24	91.49	7.695
2000T-26	4.2	2	0.01	0.03	0.3	6.3	1.4	1	25	21.4	47	16	3.2	0.8	0.6	1.5	0.24	90.74	7.102
2000T-27	4.7	2	0.01	0.03	0.3	6.7	1.3	1	25	21.9	51	14	3.2	0.7	0.7	1.4	0.22	93.12	7.041
2000T-28	5.2	4	0.01	0.03	0.3	6.5	1.2	1	25	21.6	47	17	3.3	0.8	0.6	1.6	0.26	92.16	6.947
2000T-29	4.7	2	0.01	0.03	0.3	6.0	1.6	1	25	20.4	44	19	3.1	0.7	0.3	1.6	0.25	89.30	6.982
2000T-30	4.5	2	0.01	0.03	0.3	5.6	1.6	1	25	20.5	48	19	3.1	0.7	0.3	1.6	0.24	93.39	7.162
2000T-31	5.3	2	0.01	0.03	0.3	7.1	1.8	1	25	24.5	53	20	3.5	0.7	0.3	1.6	0.24	103.79	5.425
2000T-33	4.8	2	0.01	0.03	0.3	7.0	1.7	1	25	21.8	48	18	3.3	0.9	0.3	1.8	0.27	94.32	8.004
2000T-34	4.3	2	0.01	0.03	0.3	4.7	0.6	1	25	18.5	44	13	2.9	0.8	0.3	1.5	0.23	81.18	8.116
2000T-35-1 Analytical Duplicate	4.7	2	0.01	0.03	1.0	6.4	1.5	1	25	21.0	49	20	3.1	0.6	0.3	1.5	0.24	95.69	5.867
2000T-35-2 Analytical Duplicate	4.8	2	0.01	0.03	0.3	6.6	1.6	1	25	21.7	47	17	3.2	0.8	0.3	1.7	0.25	91.90	6.778
2000T-36	4.8	2	0.01	0.03	0.8	6.8	1.0	1	25	23.5	52	19	3.4	0.9	0.3	1.8	0.26	101.11	6.935
2000T-37	5.7	2	0.01	0.03	0.3	8.2	1.7	1	25	25.8	58	19	3.7	0.9	0.3	1.7	0.26	109.61	6.609
2000T-38	5.5	2	0.01	0.03	0.3	7.3	1.3	1	25	23.7	55	18	3.5	0.9	0.3	1.6	0.24	103.19	6.641
2000T-39	4.5	2	0.01	0.03	0.3	6.1	1.8	1	25	20.1	44	14	3.1	0.7	0.3	1.5	0.23	83.88	7.309
2000T-40	7.3	2	0.01	0.03	0.3	11.2	2.2	1	25	31.7	67	24	4.5	1.0	0.3	1.9	0.29	130.64	5.139
2000T-41	6.6	2	0.01	0.03	0.3	17.6	2.4	1	25	37.9	77	26	4.5	1.0	0.3	1.5	0.25	148.40	5.475
2000T-42	4.8	2	0.01	0.03	0.3	6.5	1.4	1	25	22.8	50	18	3.3	0.8	0.5	1.6	0.24	97.24	6.730
2000T-43	4.3	2	0.01	0.03	0.3	5.0	1.4	1	25	19.5	42	17	2.9	0.7	0.3	1.4	0.22	83.97	8.099
2000T-44	4.3	2	0.01	0.03	0.3	6.0	1.1	1	25	19.0	46	19	2.8	0.7	0.3	1.3	0.20	89.25	6.823
2000T-45	4.7	2	0.01	0.03	0.3	6.5	1.6	1	51	22.3	47	18	3.2	0.7	0.3	1.3	0.20	92.95	7.028
2000T-46	4.2	2	0.01	0.03	0.8	5.3	1.5	1	25	19.2	46	15	2.9	0.8	0.5	1.4	0.22	86.02	7.162
2000T-47	5.3	2	0.01	0.03	0.3	7.9	1.0	1	25	23.7	49	20	3.2	0.8	0.3	1.4	0.21	98.56	7.073
2000T-48	5.3	2	0.01	0.03	0.3	12.6	1.5	1	25	28.6	63	18	3.5	0.8	0.5	1.4	0.22	116.02	5.287
2000T-49	5.8	2	0.01	0.03	0.3	9.5	1.1	1	25	28.2	62	23	3.9	0.9	0.9	1.5	0.22	120.62	5.479
2000T-50	4.5	2	0.01	0.03	0.3	5.9	1.4	1	25	22.5	48	16	3.2	0.7	0.3	1.6	0.25	92.50	7.212
2000T-51	5.7	2	0.01	0.03	0.3	7.8	1.8	1	25	26.6	53	25	3.7	0.9	0.3	1.5	0.24	111.19	6.506
2000T-52	6.6	2	0.01	0.03	0.3	7.5	1.5	1	61	26.4	54	20	3.5	0.9	0.3	1.5	0.22	106.77	5.754
2000T-53-1 Analytical Duplicate	4.8	2	0.01	0.03	0.3	5.8	1.3	1	25	21.3	46	21	3.2	0.8	0.3	1.5	0.22	94.27	6.630
2000T-53-2 Analytical Duplicate	4.5	2	0.01	0.03	0.3	5.4	1.0	1	25	19.7	42	17	2.9	0.7	0.7	1.5	0.24	84.74	7.004
2000T-54	4.3	2	0.01	0.03	0.3	5.4	1.4	1	25	19.4	46	18	3.0	0.8	0.3	1.4	0.21	89.06	7.336
2000T-55	5.0	2	0.01	0.03	0.3	6.3	1.2	1	25	22.4	49	19	3.2	0.8	0.3	1.5	0.23	96.38	6.243

Sample Site	Sc	Se	Sn	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	TREE	Mass
	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
2000T-56	4.1	2	0.01	0.03	0.3	5.5	1.3	1	25	18.9	44	16	2.8	0.8	0.3	1.4	0.23	84.38	7.603
2000T-57	4.4	2	0.01	0.03	0.3	6.8	1.7	2	25	22.3	49	19	3.2	0.7	0.3	1.6	0.25	96.30	7.328
2000T-58	4.0	2	0.01	0.03	0.8	6.6	1.4	1	25	22.2	44	21	3.2	0.8	0.3	1.6	0.25	93.30	7.986
2000T-60	4.5	2	0.01	0.03	0.3	6.8	1.5	1	25	21.9	48	17	3.3	0.9	0.3	1.7	0.25	93.30	7.660
2000T-61	4.3	2	0.01	0.03	0.3	6.0	1.0	1	25	20.7	42	17	3.1	0.7	0.3	1.5	0.23	85.48	7.189
2000T-62	4.5	2	0.01	0.03	0.3	6.9	1.8	1	25	23.4	51	16	3.3	0.8	0.3	1.5	0.22	96.47	7.037
2000T-64	4.4	2	0.01	0.03	0.3	6.6	1.3	1	25	21.7	47	16	3.1	0.8	0.3	1.6	0.25	90.70	6.792
2000T-65	4.5	2	0.01	0.03	0.3	6.2	1.3	1	25	23.2	50	21	3.3	0.8	0.3	1.6	0.26	100.41	6.842
2000T-66	4.1	2	0.01	0.03	1.1	6.0	1.4	1	25	19.5	42	13	2.8	0.7	0.3	1.5	0.24	79.99	5.735
2000T-67	5.4	2	0.01	0.03	0.3	9.9	1.3	1	25	26.2	53	19	3.3	0.8	0.3	1.2	0.20	103.95	5.776
2000T-68	5.2	2	0.01	0.03	1.2	9.3	1.8	1	25	27.4	54	20	2.4	0.8	0.3	1.3	0.20	106.35	4.995
2000T-69-1 Analytical Duplicate	4.2	2	0.01	0.03	0.3	5.8	1.3	1	25	20.2	47	15	2.9	0.8	0.3	1.5	0.23	87.88	7.466
2000T-69-2 Analytical Duplicate	4.6	2	0.01	0.03	0.3	6.7	1.6	1	25	21.3	47	19	3.1	0.7	0.3	1.5	0.24	93.09	6.139
2000T-71	4.8	2	0.01	0.03	0.3	6.8	1.7	1	25	23.3	50	17	3.3	0.8	0.5	1.7	0.27	96.87	6.340
2000T-72	6.5	2	0.01	0.03	0.3	10.9	1.9	1	25	31.9	70	28	4.3	1.0	0.7	1.8	0.28	137.98	5.352
2000T-73	4.4	2	0.01	0.03	0.3	6.8	1.9	1	25	21.0	43	21	3.3	0.8	0.3	1.6	0.25	91.20	7.699
2000T-74	4.6	2	0.01	0.03	0.3	6.2	1.4	1	50	20.8	45	18	3.4	0.8	0.3	1.6	0.24	90.09	7.404
2000T-75	4.3	2	0.01	0.03	0.3	6.5	2.0	1	25	21.4	43	20	3.4	0.9	0.3	1.6	0.24	90.79	6.624
2000T-76-1 Analytical Duplicate	5.5	2	0.01	0.03	0.3	9.1	1.9	1	25	26.7	53	20	3.9	0.9	0.3	1.4	0.22	106.37	6.267
2000T-76-2 Analytical Duplicate	5.5	2	0.01	0.03	0.3	9.5	1.5	1	25	26.7	56	24	3.9	0.8	0.3	1.6	0.23	113.48	6.255
2000T-77	7.6	2	0.01	0.03	0.3	18.0	2.5	1	25	40.3	89	31	5.7	1.2	0.3	2.1	0.32	169.87	6.421
2000T-78	10.5	2	0.01	0.03	0.3	20.6	2.2	1	25	55.2	104	41	7.2	1.4	0.3	2.8	0.42	212.27	5.251
2000T-79	5.3	2	0.01	0.03	0.3	7.9	2.1	1	25	24.2	52	18	3.5	0.8	0.5	1.4	0.22	100.62	5.783
2000T-80	8.6	2	0.01	0.03	0.3	22.4	1.6	1	69	62.5	129	56	8.0	1.5	1.1	2.6	0.41	261.11	5.614
2000T-81	4.8	2	0.01	0.03	1.3	6.8	1.6	1	25	22.4	49	22	3.5	0.7	0.3	1.6	0.28	99.73	6.826
2000T-82	7.8	2	0.01	0.03	0.3	17.5	3.4	1	25	39.8	88	30	5.7	1.2	0.3	2.3	0.36	167.61	6.441
2000T-83	4.3	2	0.01	0.03	0.3	6.9	1.2	1	25	21.3	43	21	3.3	0.8	0.3	1.4	0.20	91.25	7.073
2000T-84	4.0	2	0.01	0.03	0.3	6.0	1.6	1	25	19.5	40	14	3.0	0.7	0.3	1.3	0.19	78.94	7.237
2000T-85	4.6	2	0.04	0.03	0.3	7.1	2.3	1	25	22.3	47	18	3.3	0.8	0.3	1.6	0.24	93.49	7.119
2000T-86	7.5	2	0.01	0.03	0.3	20.4	3.2	1	67	41.2	88	38	5.4	1.1	0.3	1.9	0.29	176.14	5.624
2000T-87	6.5	2	0.01	0.03	0.3	12.4	1.9	1	25	32.3	69	23	4.6	1.0	0.6	2.0	0.30	132.80	6.471
2000T-88	4.6	2	0.01	0.03	0.5	7.4	1.3	1	25	21.8	50	19	3.4	0.8	0.3	1.6	0.24	97.09	6.987
2000T-89	6.9	2	0.01	0.03	1.3	14.2	2.7	1	25	41.4	82	33	5.4	1.1	0.3	2.1	0.33	165.58	5.866
2000T-90	4.2	2	0.01	0.03	0.3	5.6	1.2	1	25	19.3	43	20	3.1	0.7	0.3	1.5	0.23	88.08	7.830
2000T-91	4.5	2	0.01	0.06	0.3	6.2	1.7	1	25	21.1	44	19	3.3	0.8	0.3	1.7	0.25	90.40	6.284
2000T-93	4.6	2	0.01	0.03	0.3	6.7	1.8	1	25	21.7	50	18	3.3	0.8	0.6	1.6	0.24	96.24	5.405
2000T-94	4.2	2	0.01	0.03	0.7	5.9	1.8	1	25	20.3	41	21	3.1	0.7	0.3	1.5	0.23	88.08	7.322
2000T-96	4.5	2	0.01	0.03	0.3	6.6	1.6	1	25	21.7	46	21	3.5	0.8	0.3	1.6	0.23	95.08	5.865
2000T-97	3.9	2	0.01	0.03	0.3	5.6	1.3	1	25	19.5	43	18	3.1	0.8	0.3	1.5	0.23	86.38	8.375
2000T-98	3.8	2	0.01	0.03	0.7	5.3	1.6	1	25	17.8	38	15	2.9	0.7	0.3	1.4	0.22	76.27	7.882
2000T-99	7.2	2	0.01	0.03	1.2	10.8	1.7	1	25	31.9	69	26	4.5	1.0	0.3	1.7	0.25	134.60	5.696
2000T-100	4.8	2	0.01	0.03	0.3	7.1	2.2	1	25	21.3	47	13	3.3	0.7	0.3	1.5	0.23	87.28	6.199
2000T-101	7.6	2	0.01	0.03	0.9	10.3	2.2	1	25	30.0	63	24	4.4	1.0	0.3	1.8	0.26	124.71	6.426
2000T-102-1 Analytical Duplicate	4.5	2	0.01	0.03	0.3	6.7	1.3	1	25	21.0	46	20	3.2	0.8	0.3	1.5	0.23	92.98	6.457
2000T-102-2 Analytical Duplicate	4.6	2	0.01	0.03	0.3	6.6	1.3	1	25	21.0	47	21	3.4	0.8	0.3	1.6	0.24	95.29	6.473
2000T-104	4.5	2	0.01	0.03	0.3	6.9	1.8	1	25	22.3	50	20	3.5	0.8	0.3	1.5	0.24	98.59	6.668
2000T-106	4.6	2	0.01	0.03	1.1	7.4	1.9	1	25	21.5	48	19	3.5	0.7	0.3	1.5	0.23	94.68	7.157
2000T-107	4.0	2	0.01	0.03	1.7	5.9	1.4	1	25	18.1	41	14	3.2	0.8	0.3	1.4	0.21	78.96	6.635
2000T-108	4.0	2	0.01	0.03	0.3	5.3	1.4	1	25	18.7	40	18	3.2	0.8	0.3	1.5	0.22	82.67	7.135
2000T-109	4.3	2	0.01	0.03	0.7	7.0	1.5	1	25	21.6	47	19	3.6	0.8	0.3	1.6	0.25	94.10	7.116
2000T-110	6.7	2	0.01	0.03	1.4	9.1	2.2	1	25	27.0	56	24	4.3	1.0	0.3	1.9	0.28	114.73	5.915
2000T-112	6.8	2	0.01	0.03	0.3	7.6	2.1	1	25	25.6	55	22	4.0	0.8	0.3	1.7	0.25	109.60	5.059
2000T-113	4.7	2	0.01	0.03	0.3	6.4	0.7	1	25	20.9	42	21	3.4	0.7	0.3	1.4	0.20	89.85	5.661
2000T-114	4.1	2	0.01	0.03	0.3	6.2	1.5	1	25	20.0	45	19	3.3	0.6	0.3	1.5	0.23	89.88	6.475

Sample Site	Sc	Se	Sn	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	TREE	Mass
	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
2000T-115	4.6	2	0.01	0.03	0.3	7.2	2.3	1	25	22.9	47	21	3.7	0.9	0.3	1.6	0.25	97.60	7.532
2000T-116	4.3	2	0.01	0.03	0.3	5.9	1.5	1	25	18.9	39	20	3.2	0.7	0.3	1.5	0.24	83.79	7.598
2000T-117	3.9	2	0.01	0.03	0.3	4.9	1.0	1	25	17.0	38	17	3.0	0.7	0.3	1.4	0.23	77.58	5.781
2000T-118	4.7	2	0.01	0.03	0.3	7.2	1.6	1	25	21.9	43	14	3.4	0.8	0.3	1.5	0.23	85.08	6.586
2000T-119	4.7	2	0.01	0.03	0.3	6.8	1.4	1	25	21.9	46	21	3.5	0.8	0.3	1.3	0.20	94.95	6.172
2000T-120	3.8	2	0.01	0.03	0.3	4.4	1.6	1	25	16.3	34	16	2.9	0.7	0.3	1.5	0.24	71.89	8.795
2000T-121	4.3	2	0.01	0.03	0.3	6.3	1.6	1	25	19.7	39	18	3.3	0.7	0.5	1.4	0.21	82.81	7.068
2000T-122	4.3	2	0.01	0.03	0.3	5.9	1.6	1	25	19.2	42	17	3.2	0.7	0.3	1.5	0.24	84.09	6.459
2000T-124	4.7	2	0.01	0.03	0.3	7.3	2.0	1	25	21.9	45	18	3.5	0.7	0.3	1.6	0.25	91.20	6.688
2000T-125	4.2	2	0.01	0.03	0.3	6.5	1.3	1	25	20.4	43	17	3.5	0.7	0.3	1.4	0.22	86.47	6.748
2000T-126	4.5	2	0.01	0.03	0.3	7.2	1.5	1	25	22.2	46	17	3.7	0.8	0.3	1.6	0.24	91.79	5.853
2000T-127	4.3	2	0.01	0.03	0.3	6.2	1.3	1	25	21.1	42	21	3.4	0.8	0.3	1.6	0.23	90.38	7.466
2000T-128	5.1	2	0.01	0.03	0.3	7.9	2.3	1	25	25.4	58	25	4.2	0.9	0.3	1.6	0.25	115.60	6.211
2000T-129	4.6	2	0.01	0.03	0.3	7.3	1.7	1	25	23.5	51	23	3.9	0.8	0.5	1.6	0.24	104.54	5.989
2000T-130-1 Analytical Duplicate	5.3	2	0.01	0.03	0.3	6.8	1.6	1	25	23.6	51	20	3.9	0.8	0.3	1.7	0.25	101.50	6.384
2000T-130-2 Analytical Duplicate	5.0	2	0.01	0.03	0.3	6.7	1.4	1	25	21.9	47	20	3.7	0.8	0.3	1.6	0.24	95.49	7.087
2000T-131	5.0	2	0.01	0.03	0.6	7.1	1.9	1	25	22.2	50	17	3.8	0.8	0.3	1.7	0.26	96.01	6.266
2000T-132	6.5	2	0.01	0.03	0.3	9.0	1.4	1	25	27.9	61	31	4.4	1.0	0.3	1.9	0.30	127.75	5.884
2000T-133	4.3	2	0.01	0.03	0.3	6.8	1.2	1	25	21.1	46	22	3.4	0.8	0.3	1.5	0.23	95.28	6.974
2000T-134	4.2	2	0.01	0.03	0.3	6.1	2.1	1	25	20.5	44	18	3.4	0.7	0.3	1.6	0.24	88.69	7.251
2000T-135	4.4	2	0.01	0.03	0.3	10.1	1.4	1	25	22.5	46	19	3.1	0.6	0.3	1.0	0.16	92.61	5.206
2000T-136	4.8	2	0.01	0.03	0.3	6.9	1.9	1	25	22.1	49	21	3.7	0.9	0.3	1.7	0.25	98.90	6.505
2000T-137-1 Analytical Duplicate	4.4	2	0.01	0.03	1.0	6.2	1.4	1	25	21.0	39	16	3.2	0.7	0.3	1.6	0.24	81.99	6.855
2000T-137-2 Analytical Duplicate	4.4	2	0.01	0.03	0.3	6.1	1.3	1	25	20.0	37	16	3.2	0.7	0.3	1.5	0.23	78.88	7.326
2000T-138	4.2	2	0.01	0.03	0.3	6.0	0.9	1	25	20.9	40	16	3.1	0.8	0.3	1.5	0.23	82.78	7.601
2000T-139	4.8	2	0.01	0.03	0.3	6.9	1.8	1	25	24.2	42	21	3.6	0.7	0.3	1.7	0.25	93.70	7.147
2000T-140	3.9	2	0.01	0.03	0.3	5.6	1.3	1	25	19.5	39	18	3.0	0.8	0.3	1.4	0.20	82.15	7.280
2000T-142	3.9	2	0.01	0.03	0.3	5.1	0.9	1	25	18.6	36	13	2.9	0.7	0.3	1.3	0.20	72.95	7.408
2000T-143	4.1	2	0.01	0.03	0.3	6.0	0.3	1	25	20.9	40	21	3.3	0.5	0.8	1.3	0.19	87.99	5.997
2000T-146	4.4	2	0.01	0.03	0.3	6.0	1.6	1	25	20.3	42	15	3.1	0.7	0.3	1.5	0.23	83.08	5.927
2000T-148	7.5	2	0.01	0.03	0.3	16.2	2.2	1	25	45.0	93	24	5.8	1.1	0.3	2.3	0.34	171.79	6.033
2000T-149-1 Analytical Duplicate	4.1	2	0.01	0.03	0.3	5.8	1.0	1	25	20.0	37	16	3.2	0.7	0.3	1.6	0.24	78.99	6.627
2000T-149-2 Analytical Duplicate	4.1	2	0.01	0.03	0.3	5.9	1.4	1	25	19.6	38	16	3.1	0.7	0.3	1.5	0.23	79.38	6.640
2000T-151	5.0	2	0.01	0.03	0.3	6.8	1.6	1	25	22.9	46	22	3.5	0.8	0.3	1.9	0.28	97.63	6.612
2000T-152	8.1	2	0.01	0.03	2.3	16.2	2.1	1	25	45.0	75	25	6.2	1.0	0.3	2.3	0.35	155.10	6.913
2000T-153	4.3	2	0.01	0.03	0.3	6.6	1.7	1	25	21.8	42	16	3.3	0.7	0.3	1.5	0.23	85.78	6.099
2000T-154	4.4	2	0.01	0.03	0.3	7.7	1.5	1	25	22.9	45	16	3.4	0.7	0.3	1.6	0.24	90.09	7.460
2000T-155	4.2	2	0.01	0.03	0.3	6.5	1.7	1	25	21.5	40	15	3.2	0.6	0.3	1.6	0.24	82.39	7.836
2000T-157	4.3	2	0.01	0.03	0.3	6.5	1.3	1	25	21.2	40	19	3.2	0.7	0.3	1.5	0.24	86.09	5.887
2000T-159	4.3	2	0.01	0.03	1.1	6.9	1.7	1	25	22.7	45	16	3.5	0.8	0.3	1.5	0.22	89.97	7.130
2000T-160	4.4	2	0.01	0.03	0.3	5.7	0.9	1	25	19.1	36	14	2.9	0.7	0.3	1.5	0.23	74.68	7.940
2000T-161	4.7	2	0.01	0.03	1.5	7.0	2.1	1	25	23.3	45	18	3.4	0.7	0.5	1.6	0.23	92.73	6.941
2000T-162	4.6	2	0.01	0.03	0.3	7.9	1.9	1	25	23.5	46	15	3.5	0.8	0.3	1.7	0.25	91.00	6.938
2000T-165	8.6	2	0.01	0.03	2.4	18.4	2.7	1	25	58.3	113	42	7.8	1.5	0.9	2.9	0.41	226.81	6.475
2000T-166	4.6	2	0.01	0.03	0.3	7.9	1.3	1	25	24.1	45	19	3.5	0.7	0.3	1.7	0.25	94.50	6.135
2000T-167	4.6	2	0.01	0.03	1.4	7.3	1.8	1	25	25.6	48	18	3.8	0.8	0.3	1.6	0.25	98.30	5.625
2000T-169	5.4	2	0.01	0.03	0.3	13.8	1.7	1	25	29.4	55	20	3.6	0.7	0.3	1.2	0.18	110.33	5.818
2000T-170	4.1	2	0.01	0.03	0.3	5.6	1.9	1	25	20.5	40	16	3.1	0.7	0.6	1.5	0.23	82.63	7.485
2000T-171-1 Analytical Duplicate	4.4	2	0.01	0.03	0.3	6.1	1.5	1	25	20.5	41	18	3.1	0.8	0.3	1.5	0.23	85.38	7.367
2000T-171-2 Analytical Duplicate	4.4	2	0.01	0.03	0.3	6.3	1.6	1	25	21.0	40	14	3.2	0.7	0.3	1.5	0.23	80.88	7.154
2000T-173	4.5	2	0.01	0.03	0.3	6.7	1.4	1	25	21.2	41	16	3.1	0.7	0.3	1.3	0.21	83.76	8.368
2000T-174	6.4	2	0.01	0.03	0.3	11.2	1.9	1	25	34.1	68	19	4.7	1.0	0.3	2.1	0.31	129.46	7.332
2000T-175	4.7	2	0.01	0.03	0.3	6.7	2.0	1	25	23.9	48	14	3.6	0.7	0.6	1.6	0.24	92.64	6.063
2000T-177	4.2	2	0.01	0.03	0.3	6.9	2.1	1	25	23.9	45	16	3.5	0.8	0.3	1.8	0.25	91.50	8.368

Sample Site	Sc	Se	Sn	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	TREE	Mass
	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
2000T-178	4.1	2	0.01	0.03	0.3	6.1	1.1	1	25	19.5	39	12	3.0	0.7	0.3	1.5	0.23	76.18	7.793
2000T-179-1 Analytical Duplicate	3.8	2	0.01	0.03	0.3	5.4	1.6	1	25	18.9	38	11	2.9	0.7	0.3	1.5	0.23	73.48	7.837
2000T-179-2 Analytical Duplicate	4.1	2	0.01	0.03	0.3	5.9	1.1	1	56	20.6	39	16	3.1	0.7	0.3	1.5	0.23	81.38	7.312
2000T-180	4.9	2	0.01	0.03	0.3	7.1	1.4	1	25	23.2	44	18	3.4	0.7	0.3	1.5	0.23	91.28	6.670
2000T-182	4.8	2	0.01	0.03	0.3	6.7	1.8	1	25	23.2	47	18	3.4	0.7	0.3	1.5	0.22	94.27	5.918
2000T-201	5.5	2	0.01	0.03	0.3	7.4	1.1	1	25	23.8	48	17	3.5	0.8	0.3	1.6	0.24	95.19	5.731
2000T-202	4.2	2	0.01	0.03	0.3	5.7	2.2	1	25	20.7	39	16	3.1	0.8	0.3	1.8	0.26	81.91	7.467
2000T-203	4.1	2	0.01	0.03	0.3	4.9	1.6	1	25	19.3	38	17	2.9	0.7	0.3	1.4	0.22	79.77	8.151
2000T-204	4.5	2	0.01	0.03	0.3	8.2	2.1	1	25	25.0	47	19	3.7	0.9	0.3	2.0	0.30	98.15	7.916
2000T-205	4.9	2	0.01	0.03	0.6	5.5	1.1	1	25	19.4	36	15	3.1	0.7	0.3	1.7	0.25	76.40	7.614
2000T-206	4.2	2	0.01	0.03	0.3	5.4	1.2	1	59	19.8	41	18	3.1	0.7	0.3	1.6	0.25	84.70	7.144
2000T-207	4.0	2	0.01	0.03	1.2	6.2	1.2	1	25	20.6	40	16	3.1	0.7	0.3	1.6	0.25	82.50	6.848
2000T-209	5.8	2	0.01	0.03	0.3	8.7	1.1	1	25	26.3	52	21	3.8	0.8	0.3	1.8	0.25	106.20	6.450
2000T-210	5.3	2	0.01	0.03	0.3	12.5	2.1	1	25	38.9	72	28	5.4	1.0	0.7	2.6	0.40	149.00	6.879
2000T-211	4.6	2	0.01	0.03	0.3	8.4	1.4	1	25	26.5	52	19	3.9	0.8	0.3	2.0	0.30	104.75	8.252
2000T-212	4.0	2	0.01	0.03	0.3	5.8	1.2	1	25	18.8	39	13	3.0	0.7	0.3	1.6	0.24	76.59	7.293
2000T-213	3.9	2	0.01	0.03	0.3	5.1	1.5	1	25	18.7	35	15	2.9	0.8	0.3	1.6	0.24	74.49	7.967
2000T-215	4.2	2	0.01	0.03	0.3	5.1	1.1	1	25	19.2	38	15	2.9	0.8	0.3	1.5	0.23	77.88	7.120
2000T-216	4.0	2	0.01	0.03	0.3	5.6	1.5	1	25	19.3	39	18	3.0	0.6	0.3	1.5	0.23	81.88	7.732
2000T-217	4.0	2	0.01	0.03	0.3	5.0	1.2	1	25	19.1	38	16	3.0	0.8	0.3	1.5	0.23	78.88	7.977
2000T-218-1 Analytical Duplicate	4.0	2	0.01	0.03	0.7	5.6	1.4	1	25	18.8	37	16	2.9	0.6	0.3	1.5	0.23	77.28	7.615
2000T-218-2 Analytical Duplicate	4.4	2	0.01	0.03	0.6	5.7	1.2	1	25	19.7	40	17	3.0	0.7	0.3	1.5	0.23	82.38	6.943
2000T-219	4.8	2	0.01	0.03	0.3	6.5	1.6	1	25	22.2	45	18	3.3	0.7	0.3	1.5	0.23	91.18	6.433
2000T-220	4.4	2	0.01	0.03	0.3	5.4	0.7	1	25	20.0	36	18	3.1	0.7	0.3	1.4	0.21	79.66	5.737
2000T-221	5.0	2	0.01	0.03	0.3	7.5	1.8	1	25	24.1	47	17	3.4	0.8	0.3	1.5	0.23	94.28	5.445
2000T-222	4.5	2	0.01	0.03	0.3	6.3	1.7	1	65	21.6	45	16	3.3	0.7	0.3	1.5	0.22	88.57	6.767
2000T-223	4.6	2	0.01	0.03	0.3	5.7	1.7	1	25	21.2	40	17	3.2	0.7	0.3	1.5	0.24	84.09	7.007
2000T-224	4.6	2	0.01	0.03	0.3	5.6	0.9	1	25	21.4	41	14	3.2	0.7	0.3	1.6	0.24	82.39	5.949
2000T-225	5.1	2	0.01	0.03	0.3	7.5	1.3	1	25	23.2	47	19	3.4	0.7	0.3	1.7	0.25	95.50	5.897
2000T-226	5.4	2	0.01	0.03	0.3	7.8	1.8	1	25	24.7	50	19	3.6	0.8	0.3	1.4	0.22	99.97	6.168
2000T-227	3.9	2	0.01	0.03	0.3	6.6	1.7	1	25	20.3	43	17	3.2	0.8	0.3	1.6	0.24	86.39	7.663
2000T-228	4.0	2	0.01	0.03	0.3	5.6	1.2	1	25	19.6	42	17	3.2	0.8	0.3	1.6	0.25	84.70	8.414
2000T-229	4.6	2	0.01	0.03	0.3	6.6	1.9	1	25	21.0	47	18	3.4	0.9	0.3	1.7	0.27	92.52	7.617
2000T-230	6.3	2	0.01	0.03	0.3	8.5	1.0	2	67	31.9	68	25	4.7	1.1	0.3	2.4	0.36	133.71	6.859
2000T-231-1 Analytical Duplicate	4.7	2	0.01	0.03	0.3	6.9	1.4	1	25	22.8	48	19	3.5	0.8	0.3	1.7	0.25	96.30	7.040
2000T-231-2 Analytical Duplicate	4.8	2	0.01	0.03	0.3	6.9	1.1	1	25	22.9	50	20	3.5	0.8	0.6	1.8	0.26	99.86	6.480
2000T-232	3.9	2	0.01	0.03	0.3	5.7	1.0	1	25	19.3	41	15	3.2	0.8	0.3	1.7	0.27	81.52	8.353
2000T-233	4.2	2	0.01	0.03	1.9	6.5	2.0	1	25	21.1	45	18	3.3	0.8	0.3	1.5	0.24	90.19	6.446
2000T-234	4.3	2	0.01	0.03	0.3	6.3	1.5	1	25	20.7	40	18	3.5	0.8	0.3	1.4	0.23	84.88	7.470
2000T-235	4.3	2	0.01	0.03	0.3	5.4	1.7	1	25	19.1	39	15	3.3	0.7	0.3	1.4	0.21	78.96	6.492
2000T-236	4.5	2	0.01	0.03	0.3	6.1	1.9	1	25	20.3	44	16	3.3	0.7	0.3	1.4	0.21	86.16	5.830
2000T-237	4.2	2	0.01	0.03	0.3	5.8	1.9	1	25	19.2	37	18	3.2	0.7	0.3	1.6	0.24	80.19	7.953
2000T-238	4.4	2	0.01	0.03	0.3	5.8	1.6	1	25	20.0	44	14	3.2	0.6	0.6	1.4	0.21	84.01	7.017
2000T-239	4.2	2	0.01	0.03	0.3	6.4	1.5	1	25	20.0	43	15	3.4	0.7	0.3	1.4	0.21	83.96	7.223
2000T-240	4.5	2	0.01	0.03	0.3	6.1	2.1	1	25	20.5	44	18	3.3	0.8	0.3	1.4	0.24	88.49	7.169
2000T-241	4.3	2	0.01	0.03	1.3	5.8	1.4	1	25	19.9	41	20	3.2	0.7	0.3	1.4	0.21	86.66	7.092
2000T-242	4.0	2	0.01	0.03	0.3	5.4	1.8	1	25	18.8	36	16	3.2	0.7	0.3	1.4	0.21	76.56	7.121
2000T-243	4.0	2	0.01	0.03	1.0	4.9	1.8	1	25	17.8	37	17	3.0	0.7	0.3	1.5	0.23	77.48	6.278
2000T-244	4.0	2	0.01	0.03	1.0	5.5	1.8	1	25	18.2	36	16	2.9	0.6	0.3	1.3	0.20	75.45	7.041
2000T-245	3.7	2	0.01	0.03	0.3	4.9	2.0	1	25	17.5	35	13	2.9	0.6	0.3	1.4	0.20	70.85	7.848
2000T-246	4.8	2	0.01	0.03	0.3	7.0	1.5	1	25	22.4	47	18	3.6	0.8	0.3	1.5	0.23	93.78	5.644
2000T-247	4.3	2	0.01	0.03	0.3	6.4	1.7	1	25	20.7	44	19	3.5	0.8	0.3	1.6	0.25	90.10	7.045
2000T-248	5.0	2	0.01	0.03	1.3	6.7	1.3	1	25	22.3	48	23	4.0	0.8	0.3	1.8	0.25	100.40	6.814
2000T-249	4.3	2	0.01	0.03	0.3	6.3	2.1	1	25	21.8	45	20	3.7	0.7	0.3	1.8	0.25	93.50	7.634

Sample Site	Sc ppm	Se ppm	Sn %	Sr %	Ta ppm	Th ppm	U ppm	W ppm	Zn ppm	La ppm	Ce ppm	Nd ppm	Sm ppm	Eu ppm	Tb ppm	Yb ppm	Lu ppm	TREE ppm	Mass g
2000T-250-1 Analytical Duplicate	4.4	2	0.01	0.03	0.3	6.4	1.5	1	25	20.5	45	19	3.5	0.8	0.3	1.7	0.25	91.00	7.519
2000T-250-2 Analytical Duplicate	4.5	2	0.01	0.03	0.3	6.4	1.6	1	25	21.6	49	18	3.6	0.8	0.3	1.7	0.25	95.20	7.267
2000T-251	4.2	2	0.01	0.03	0.3	5.8	2.1	1	25	20.2	41	20	3.5	0.8	0.3	1.7	0.25	87.70	7.228
2000T-252	4.5	2	0.01	0.03	0.3	7.1	1.5	1	25	22.4	46	21	3.8	0.8	0.3	1.7	0.25	96.20	5.865
2000T-253	4.0	2	0.01	0.03	0.3	5.7	1.5	1	25	18.4	40	17	3.3	0.8	0.3	1.6	0.24	81.59	7.123
2000T-254	4.5	2	0.01	0.03	0.7	6.3	1.3	1	25	20.8	42	20	3.5	0.9	0.3	1.5	0.24	89.19	6.817
2000T-255	4.4	2	0.01	0.03	0.7	6.2	2.3	1	25	20.6	43	17	3.7	0.8	0.6	1.8	0.26	87.76	7.250
2000T-256	4.4	2	0.01	0.03	0.7	5.0	1.1	1	25	19.6	39	15	3.2	0.7	0.3	1.4	0.22	79.37	6.870
2000T-257	7.9	2	0.01	0.03	1.0	11.5	2.7	1	25	36.2	70	32	5.7	1.3	0.3	2.5	0.35	148.30	7.060
2000T-258	4.2	2	0.01	0.03	0.3	5.6	1.4	1	25	18.8	39	17	3.2	0.7	0.3	1.5	0.23	80.68	6.840
2000T-259	4.6	2	0.01	0.03	0.3	6.0	1.3	1	25	21.3	44	18	3.4	0.8	0.3	1.6	0.23	89.58	6.538
2000T-260	4.2	2	0.01	0.03	0.3	5.6	1.7	1	25	18.6	40	15	3.1	0.7	0.3	1.4	0.22	79.27	7.524
2000T-261	4.7	2	0.01	0.03	0.3	6.0	2.4	1	25	20.6	37	19	3.5	0.8	0.3	1.6	0.24	82.99	7.641
2000T-262	4.6	2	0.01	0.03	0.3	6.4	1.5	1	25	21.6	47	19	3.6	0.8	0.6	1.6	0.25	94.45	6.683
2000T-263	4.2	2	0.01	0.03	0.3	6.5	1.6	1	25	19.6	42	17	3.3	0.8	0.3	1.6	0.24	84.79	8.010
2000T-264	4.3	2	0.01	0.03	0.3	5.5	0.8	1	25	20.9	45	20	3.5	0.8	0.3	1.7	0.24	92.39	7.207
2000T-265-1 Analytical Duplicate	4.6	2	0.01	0.03	0.3	6.3	1.5	1	25	20.9	46	17	3.4	0.9	0.3	1.7	0.24	90.39	7.023
2000T-265-2 Analytical Duplicate	4.7	2	0.01	0.03	0.3	6.9	1.6	1	25	22.1	44	19	3.5	0.7	0.3	1.7	0.24	91.49	6.439
2000T-266	4.1	2	0.01	0.03	0.3	5.4	1.6	1	25	19.9	44	17	3.2	0.8	0.3	1.6	0.24	86.99	4.948
2000T-267	3.9	2	0.01	0.03	0.7	5.5	1.6	1	25	18.7	40	17	3.2	0.8	0.3	1.6	0.24	81.79	7.371
2000T-268	4.5	2	0.01	0.03	0.3	7.8	2.4	1	25	24.5	57	21	4.0	1.0	0.3	1.9	0.27	109.92	7.225
2000T-269	4.3	2	0.01	0.03	0.3	5.7	1.5	1	25	20.6	42	18	3.4	0.8	0.3	1.7	0.25	87.00	7.541
2000T-270	4.9	2	0.01	0.03	0.3	6.3	1.4	1	25	21.1	46	19	3.4	0.8	0.3	1.6	0.23	92.38	6.909
2000T-271	4.5	2	0.01	0.03	0.3	6.3	0.8	1	25	22.0	48	20	3.6	0.8	0.3	1.5	0.24	96.39	6.608
2000T-272	4.0	2	0.01	0.03	0.3	6.1	1.5	1	25	20.9	45	19	3.3	0.8	0.3	1.7	0.26	91.21	7.618
2000T-273	4.7	2	0.01	0.03	0.3	7.0	1.3	1	25	22.9	46	21	3.6	0.7	0.3	1.6	0.24	96.29	5.017
2000T-274	4.5	2	0.01	0.03	0.6	6.1	1.9	1	25	20.9	47	19	3.4	0.7	0.3	1.4	0.22	92.87	5.708
2000T-275	4.5	2	0.01	0.03	0.3	6.6	2.1	1	25	22.2	48	19	3.5	0.9	0.3	1.8	0.26	95.91	6.866
2000T-276	4.6	2	0.01	0.03	0.3	7.7	2.2	1	25	24.4	51	25	3.9	0.9	0.3	1.9	0.28	107.63	6.842
2000T-277	4.6	2	0.01	0.03	0.3	6.8	1.7	1	25	22.0	44	17	3.7	0.9	0.3	1.7	0.26	89.81	5.914
2000T-278	4.4	2	0.01	0.03	1.0	7.0	1.8	1	25	22.6	47	21	3.7	0.8	0.3	1.8	0.26	97.41	7.097
2000T-279	5.3	2	0.01	0.03	0.3	7.9	1.1	1	25	24.7	57	26	3.9	0.9	0.3	1.8	0.27	114.82	5.487
2000T-280	5.2	2	0.01	0.03	1.0	8.3	1.5	1	25	24.5	56	18	3.9	0.9	0.3	1.9	0.28	105.73	7.080
2000T-281-1 Analytical Duplicate	4.3	2	0.01	0.03	0.8	6.3	0.5	1	25	19.5	44	18	3.5	0.8	0.3	1.6	0.24	87.89	7.239
2000T-281-2 Analytical Duplicate	5.2	2	0.01	0.03	0.9	7.6	1.3	1	25	24.7	53	20	3.9	1.0	0.3	1.8	0.26	104.91	7.127
2000T-282	4.8	2	0.01	0.03	0.3	6.9	1.5	1	25	22.9	51	23	3.6	0.9	0.3	1.6	0.25	103.50	6.100
2000T-283	4.4	2	0.01	0.03	0.3	6.3	1.5	1	25	22.1	48	20	3.6	0.8	0.3	1.7	0.25	96.70	6.996
2000T-284	4.3	2	0.01	0.03	1.0	6.1	2.0	1	25	21.0	46	20	3.4	0.8	0.5	1.6	0.23	93.53	6.936
2000T-285	4.1	2	0.01	0.03	0.3	6.4	0.9	1	25	18.7	44	14	2.6	0.7	0.3	1.2	0.18	81.63	4.476
2000T-286	4.2	2	0.01	0.03	0.3	5.2	1.4	1	25	19.8	44	14	2.9	0.8	0.3	1.3	0.19	83.24	7.925
2000T-287	4.9	2	0.01	0.03	0.3	5.3	1.4	1	25	20.2	44	20	3.0	0.8	0.5	1.5	0.23	90.23	7.181
2000T-288	4.8	2	0.01	0.03	0.3	6.6	1.5	1	25	21.4	50	17	3.2	0.8	0.3	1.7	0.25	94.60	7.203
2000T-289	4.1	2	0.01	0.03	0.3	5.4	0.7	1	25	18.8	41	14	2.8	0.7	0.5	1.4	0.21	79.41	7.158
2000T-290	5.0	2	0.01	0.03	0.3	6.4	1.4	1	25	22.1	49	24	3.5	0.8	0.3	1.3	0.20	101.15	6.064
2000T-291	4.0	2	0.01	0.03	0.3	4.8	0.8	1	25	17.7	41	16	2.6	0.6	0.3	1.3	0.20	79.65	7.544
2000T-292	4.4	2	0.01	0.03	0.3	5.4	1.4	1	25	19.5	44	18	2.9	0.7	0.3	1.5	0.23	87.08	7.063
2000T-293	4.2	2	0.01	0.03	0.7	4.8	1.3	1	25	18.8	44	15	2.8	0.8	0.3	1.3	0.21	83.16	7.533
2000T-294	4.6	2	0.01	0.03	0.3	5.7	1.2	1	25	19.6	45	16	2.9	0.8	0.7	1.5	0.23	86.73	7.346
2000T-295	4.0	2	0.01	0.03	0.3	5.9	0.9	1	25	18.3	42	14	2.8	0.7	0.3	1.4	0.23	79.68	7.926
2000T-296	4.2	2	0.01	0.03	0.3	5.6	1.3	1	25	18.7	43	19	2.8	0.7	0.3	1.4	0.23	86.08	7.316
2000T-297	4.2	2	0.01	0.03	0.3	5.4	1.0	1	25	19.6	42	17	2.8	0.7	0.3	1.4	0.23	83.98	7.295
2000T-298	4.2	2	0.01	0.03	0.3	5.0	0.8	1	25	18.0	40	14	2.7	0.7	0.3	1.5	0.25	77.40	7.385
2000T-299	4.0	2	0.01	0.03	0.3	4.9	0.6	1	25	17.5	38	16	2.7	0.7	0.3	1.7	0.26	77.11	6.956
2000T-300	6.2	2	0.01	0.03	0.3	7.7	1.1	1	25	24.4	58	16	3.4	0.8	0.3	1.5	0.24	104.59	5.669

Sample Site	Sc	Se	Sn	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	TREE	Mass
	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
2000T-301	4.2	2	0.01	0.03	0.3	5.6	1.7	1	25	19.1	42	17	2.9	0.7	0.3	1.5	0.24	83.69	7.097
2000T-302	4.5	2	0.01	0.03	0.3	6.1	1.4	1	25	20.0	45	18	3.0	0.8	0.3	1.6	0.24	88.89	6.766
2000T-303	4.2	2	0.01	0.03	0.9	5.4	0.5	1	25	18.1	42	21	2.9	0.7	0.3	1.6	0.24	86.79	7.003
2000T-304	4.3	2	0.01	0.03	0.3	5.0	1.3	1	25	17.8	43	18	2.9	0.8	0.3	1.6	0.24	84.59	6.425
2000T-305	4.4	2	0.01	0.03	0.7	5.5	1.1	1	25	19.4	46	16	3.0	0.7	0.3	1.5	0.23	87.08	7.215
2000T-306	4.7	2	0.01	0.03	0.9	5.8	0.9	1	25	20.6	50	18	3.0	0.8	0.3	1.3	0.20	94.15	6.776
2000T-307	4.4	2	0.01	0.03	0.9	6.4	1.7	1	25	20.1	47	17	3.1	0.9	0.3	1.7	0.25	90.30	7.220
2000T-309	4.9	2	0.01	0.03	0.7	7.1	1.8	1	25	23.4	52	17	3.4	0.8	0.7	1.6	0.25	99.15	6.305
2000T-310-1 Analytical Duplicate	5.3	3	0.01	0.03	0.3	6.4	1.2	1	25	21.7	49	17	3.2	0.7	0.7	1.5	0.23	94.03	6.076
2000T-310-2 Analytical Duplicate	5.3	2	0.01	0.03	0.3	6.8	1.2	1	25	21.8	52	19	3.2	0.8	0.6	1.4	0.23	99.03	6.107
2000T-311	5.8	2	0.01	0.03	0.3	6.9	1.0	1	25	23.5	54	14	3.5	0.9	0.3	1.5	0.23	97.88	6.215
2000T-312	4.6	2	0.01	0.03	0.3	5.5	1.3	1	25	19.1	45	15	3.0	0.7	0.3	1.4	0.21	84.66	6.253
2000T-313	4.4	2	0.01	0.03	0.8	5.0	1.0	1	25	18.7	43	19	3.0	0.8	0.3	1.4	0.21	86.36	7.367
2000T-315	5.5	2	0.01	0.03	0.3	7.4	1.3	1	25	23.2	53	19	3.0	0.9	0.7	1.6	0.24	101.64	6.823
2000T-316	4.9	2	0.01	0.03	0.8	6.9	1.9	1	25	20.1	46	18	3.1	0.7	0.3	1.4	0.21	89.76	6.086
2000T-317	4.6	2	0.01	0.03	0.3	5.9	1.2	1	25	20.3	46	16	3.1	0.8	0.6	1.6	0.24	88.64	6.996
2000T-319	4.6	4	0.01	0.03	0.3	6.1	1.3	1	25	20.2	46	14	3.1	0.8	0.5	1.6	0.24	86.44	7.605
2000T-320	5.1	2	0.01	0.03	0.6	6.4	1.9	1	25	21.4	47	23	3.1	0.8	0.3	1.4	0.21	97.16	6.753
2000T-324	5.4	2	0.01	0.03	0.3	7.6	1.5	1	25	22.7	51	21	3.1	0.9	0.3	1.3	0.19	100.44	6.094
2000T-325	4.6	2	0.01	0.03	0.9	5.7	1.7	1	25	20.3	44	17	2.9	0.8	0.6	1.5	0.23	87.33	7.592
2000T-326	4.5	2	0.01	0.03	0.3	6.0	1.3	1	25	19.4	46	16	2.9	0.7	0.3	1.4	0.20	86.85	7.506
2000T-328	9.6	5	0.01	0.03	1.4	20.2	2.5	1	25	54.1	120	42	6.8	1.5	0.9	2.4	0.36	228.06	5.967
2000T-329-1 Analytical Duplicate	4.2	2	0.01	0.03	0.3	5.8	1.5	1	25	19.3	43	16	2.9	0.7	0.3	1.5	0.23	83.88	8.087
2000T-329-2 Analytical Duplicate	4.5	2	0.01	0.03	0.3	6.0	1.5	1	25	20.5	46	17	3.0	0.8	0.5	1.6	0.24	89.64	7.817
2000T-330	5.0	2	0.01	0.03	0.3	5.8	1.0	1	25	21.1	50	15	3.1	0.8	0.6	1.5	0.23	92.33	6.677
2000T-331	5.0	2	0.01	0.03	0.3	7.2	1.0	1	25	20.9	45	18	3.0	0.8	0.6	1.6	0.25	90.15	6.759
2000T-333	4.1	2	0.01	0.03	1.0	5.1	1.2	1	25	18.1	42	14	2.7	0.7	0.5	1.6	0.26	79.86	7.528
2000T-334	5.5	2	0.01	0.03	0.3	7.2	1.4	1	25	22.1	51	18	3.4	0.8	0.3	1.5	0.24	97.29	5.943
2000T-335	4.5	2	0.01	0.03	0.8	5.8	0.8	1	25	19.3	45	17	3.0	0.8	0.3	1.5	0.24	87.09	7.153
2000T-336	4.5	2	0.01	0.03	0.3	5.9	1.7	1	25	19.8	47	16	3.0	0.8	0.3	1.3	0.20	88.35	6.491
2000T-337	4.5	2	0.01	0.03	1.0	5.5	1.2	1	25	18.9	45	18	3.0	0.7	0.6	1.5	0.23	87.93	6.573
2000T-339	4.7	2	0.01	0.03	0.3	6.0	1.0	1	25	20.2	47	15	3.0	0.7	0.3	1.3	0.21	87.66	5.828
2000T-341	4.3	2	0.01	0.03	0.3	5.6	1.3	1	25	19.0	42	15	2.8	0.7	0.6	1.4	0.21	81.71	7.307
2000T-343	4.4	2	0.01	0.03	0.3	5.6	0.6	1	25	18.9	44	20	2.9	0.7	0.3	1.2	0.20	88.15	6.482
2000T-344	5.5	2	0.01	0.03	0.3	7.0	1.4	1	25	23.2	55	19	3.4	0.8	0.3	1.3	0.21	103.16	5.749
2000T-345-1 Analytical Duplicate	4.5	2	0.01	0.03	0.3	6.1	1.3	1	25	20.3	45	17	3.0	0.8	0.3	1.4	0.21	87.96	6.149
2000T-345-2 Analytical Duplicate	4.8	2	0.01	0.03	0.9	6.4	1.3	1	25	20.0	51	20	3.1	0.8	0.3	1.4	0.21	96.76	6.285
2000T-346	5.9	2	0.01	0.03	0.3	7.6	1.1	1	25	24.0	54	23	3.4	0.9	0.3	1.4	0.22	107.17	5.352
2000T-347	4.5	2	0.01	0.03	0.3	5.5	1.2	1	25	18.9	44	15	2.9	0.7	0.3	1.4	0.22	83.37	6.860
2000T-348	4.2	2	0.01	0.03	0.3	5.4	1.8	1	25	20.1	45	15	2.9	0.7	0.6	1.3	0.20	85.80	5.808
2000T-349	4.4	2	0.01	0.03	0.3	6.2	1.6	1	25	19.1	45	13	2.7	0.7	0.3	1.4	0.21	82.36	6.198
2000T-350	5.1	2	0.01	0.03	0.3	5.6	1.1	1	25	21.1	48	19	3.0	0.7	0.3	1.6	0.24	93.89	6.230
2000T-351	4.4	2	0.01	0.03	0.3	5.6	1.5	1	25	19.2	43	14	2.9	0.7	0.3	1.4	0.23	81.68	7.294
2000T-352	5.5	2	0.01	0.03	0.3	6.9	1.4	1	25	22.0	53	18	3.1	0.8	0.5	1.5	0.23	99.13	6.326
2000T-353	4.2	2	0.01	0.03	0.3	5.6	1.4	1	25	19.1	43	17	2.8	0.7	0.3	1.4	0.23	84.48	7.026
2000T-354	4.7	2	0.01	0.03	0.3	6.5	1.6	1	25	23.6	53	19	4.0	0.9	0.5	1.8	0.25	103.05	7.337
2000T-355	4.7	2	0.01	0.03	0.3	6.8	1.7	1	25	26.2	54	22	4.1	0.9	0.3	1.8	0.26	109.51	7.129
2000T-356	4.6	2	0.01	0.03	0.3	6.3	1.4	1	25	21.1	45	18	3.5	0.8	0.3	1.7	0.25	90.60	7.301
2000T-357	4.4	2	0.01	0.03	0.3	6.8	1.7	1	25	21.3	44	18	3.5	0.7	0.3	1.4	0.21	89.36	7.433
2000T-358	4.7	2	0.01	0.03	0.3	7.3	1.4	1	25	22.8	50	18	3.7	0.8	0.3	1.4	0.22	97.17	5.973
2000T-361	4.2	2	0.01	0.03	1.0	6.2	1.6	1	25	21.2	45	16	3.5	0.8	0.3	1.7	0.25	88.70	8.093
2000T-362	4.6	2	0.01	0.03	0.3	6.4	0.7	1	25	22.8	44	17	3.7	0.8	0.3	1.7	0.25	90.50	6.768
2000T-364	4.5	2	0.01	0.03	0.3	6.1	0.9	1	25	20.8	43	17	3.5	0.7	0.3	1.5	0.23	86.98	7.845
2000T-365	4.5	2	0.01	0.03	0.9	6.2	1.3	1	25	20.4	44	18	3.3	0.7	0.3	1.6	0.23	88.48	7.463

Sample Site	Sc	Se	Sn	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	TREE	Mass
	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
2000T-366	5.3	2	0.01	0.03	0.3	7.5	1.7	1	25	26.3	54	19	4.2	0.9	0.3	1.8	0.28	106.73	6.876
2000T-367	5.2	2	0.01	0.03	0.3	7.4	2.0	1	25	24.0	54	19	3.9	0.9	0.3	1.6	0.24	103.89	6.754
2000T-368	7.1	2	0.01	0.03	0.3	9.0	1.6	1	25	28.7	56	22	4.4	0.9	0.3	1.7	0.24	114.19	5.562

Duplicate Pair INA Analyses For The <63 Micron Size Fraction Of Till Samples.

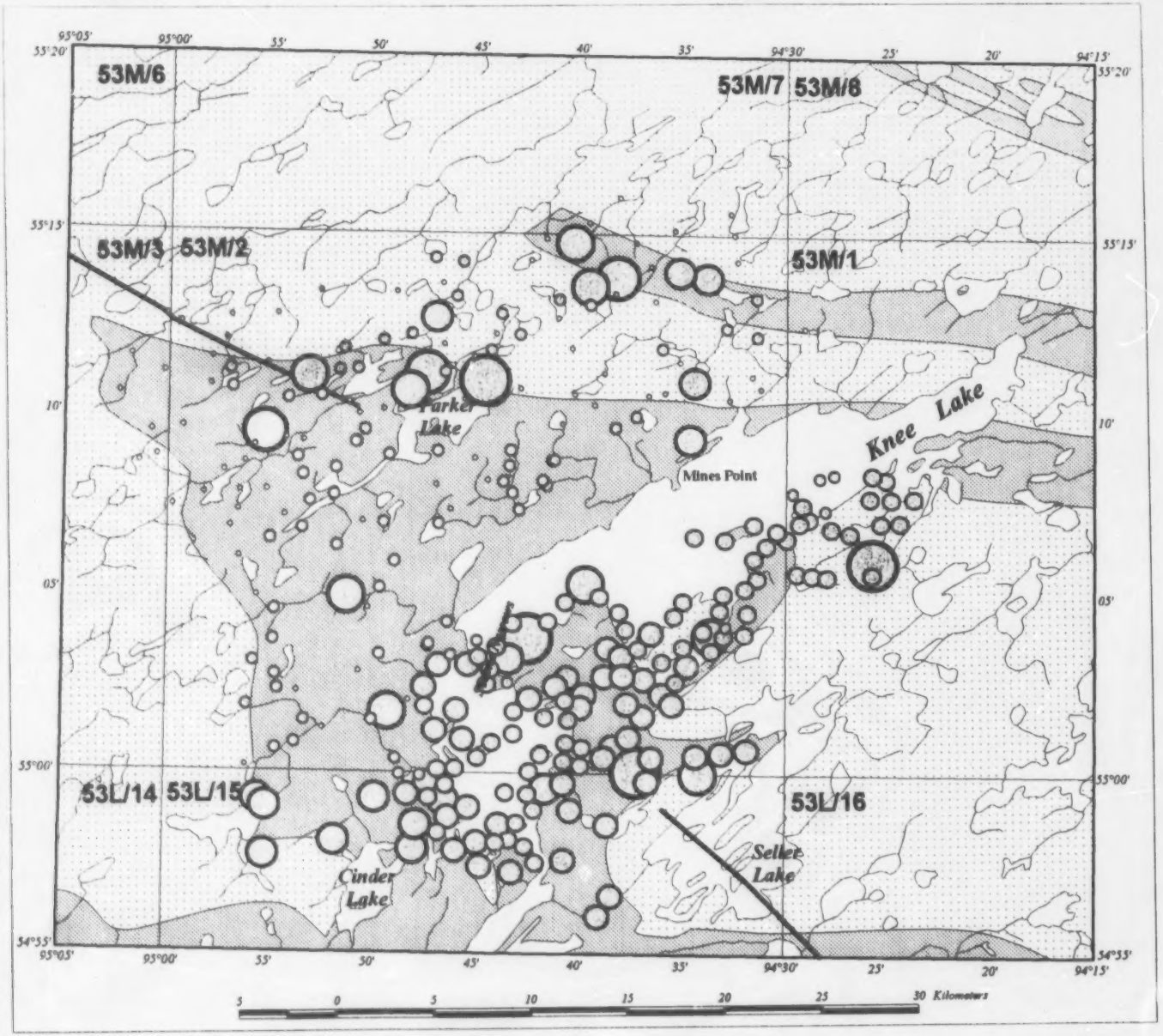
Sample Site	UTM		Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb
	Easting	Northing	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm
2000T-16-1 Analytical Duplicate	389243.59	6093479.00	1	3	2.3	330	5.2	16	3	28	1	0.99	5	1	3	1	0.94	10	49	0.2
2000T-16-2 Analytical Duplicate	389243.59	6093479.00	1	3	3.3	420	5.5	15	4	33	1	1.23	5	1	3	1	0.94	10	43	0.2
2000T-35-1 Analytical Duplicate	386267.97	6101746.50	1	3	2.3	410	4.8	20	4	28	1	1.19	5	1	3	3	0.90	10	41	0.3
2000T-35-2 Analytical Duplicate	386267.97	6101746.50	1	3	3.0	420	4.9	15	5	34	1	1.21	6	1	3	1	1.01	10	47	0.3
2000T-53-1 Analytical Duplicate	399544.66	6095816.50	4	3	2.6	410	5.0	15	4	38	1	1.28	6	1	3	1	1.01	10	47	0.3
2000T-53-2 Analytical Duplicate	399544.66	6095816.50	1	3	2.4	320	3.6	15	5	40	1	1.14	6	1	3	1	0.97	10	29	0.2
2000T-69-1 Analytical Duplicate	398290.31	6099503.50	1	3	1.6	360	4.1	14	3	32	1	1.09	7	1	3	1	1.05	10	37	0.1
2000T-69-2 Analytical Duplicate	398290.31	6099503.50	1	3	1.8	380	6.4	17	5	26	1	1.20	6	1	3	1	0.98	10	51	0.2
2000T-76-1 Analytical Duplicate	405489.13	6108952.50	1	3	1.8	530	4.8	12	5	39	2	1.45	5	1	3	1	1.22	10	60	0.1
2000T-76-2 Analytical Duplicate	405489.13	6108952.50	1	3	1.4	460	4.5	14	5	33	2	1.43	5	1	3	1	1.22	10	68	0.1
2000T-102-1 Analytical Duplicate	392650.41	6096653.00	1	3	2.7	360	5.1	17	4	34	1	1.08	6	1	3	3	0.99	10	32	0.3
2000T-102-2 Analytical Duplicate	392650.41	6096653.00	1	3	3.5	400	5.2	14	4	33	1	1.08	6	1	3	2	1.00	10	31	0.2
2000T-130-1 Analytical Duplicate	392870.50	6104868.50	1	3	1.7	460	4.4	11	6	33	2	1.21	6	1	3	1	1.06	10	46	0.2
2000T-130-2 Analytical Duplicate	392870.50	6104868.50	1	3	1.8	380	4.2	12	4	32	1	1.10	6	1	3	1	1.01	10	56	0.2
2000T-137-1 Analytical Duplicate	398893.06	6102443.50	1	3	2.0	360	4.8	16	5	28	1	1.14	5	1	3	1	1.04	10	52	0.3
2000T-137-2 Analytical Duplicate	398893.06	6102443.50	1	3	2.1	350	4.6	16	4	29	1	1.09	6	1	3	1	1.06	10	44	0.2
2000T-149-1 Analytical Duplicate	402139.66	6105434.00	1	3	2.7	370	4.5	16	4	29	2	1.02	6	1	3	1	1.01	10	30	0.2
2000T-149-2 Analytical Duplicate	402139.66	6105434.00	1	3	2.0	390	4.8	15	4	28	1	0.98	6	1	3	1	1.07	10	38	0.1
2000T-171-1 Analytical Duplicate	400308.25	6102973.00	3	3	2.1	360	4.5	13	5	32	2	1.14	6	1	3	1	1.02	10	42	0.1
2000T-171-2 Analytical Duplicate	400308.25	6102973.00	3	3	2.1	360	4.2	13	4	27	1	1.14	6	1	3	1	1.03	10	41	0.2
2000T-179-1 Analytical Duplicate	382763.03	6098971.50	1	3	2.1	340	4.6	12	4	29	1	0.93	6	1	3	1	1.04	10	40	0.2
2000T-179-2 Analytical Duplicate	382763.03	6098971.50	1	3	2.2	330	4.4	12	4	26	1	1.01	6	1	3	2	1.00	10	44	0.3
2000T-218-1 Analytical Duplicate	389764.00	6111144.00	1	3	2.0	370	4.5	13	3	26	1	0.97	6	1	3	1	0.99	10	31	0.2
2000T-218-2 Analytical Duplicate	389764.00	6111144.00	1	3	1.5	330	4.9	13	4	28	1	1.08	6	1	3	1	0.95	10	43	0.3
2000T-231-1 Analytical Duplicate	382258.53	6113338.50	1	3	2.4	400	6.1	15	5	32	2	1.20	7	1	3	1	1.02	10	41	0.2
2000T-231-2 Analytical Duplicate	382258.53	6113338.50	1	3	2.3	390	6.0	14	5	35	2	1.24	7	1	3	1	1.02	10	46	0.3
2000T-250-1 Analytical Duplicate	392449.16	6112208.50	1	3	2.8	380	5.2	12	4	31	1	1.11	7	1	3	3	1.08	10	44	0.1
2000T-250-2 Analytical Duplicate	392449.16	6112208.50	1	3	2.6	430	5.6	12	4	30	1	1.11	8	1	3	3	1.07	10	30	0.1
2000T-265-1 Analytical Duplicate	379871.44	6116760.00	5	3	2.7	320	4.7	14	4	35	1	1.20	7	1	3	1	1.00	10	35	0.2
2000T-265-2 Analytical Duplicate	379871.44	6116760.00	1	3	2.4	320	4.9	14	6	38	1	1.29	7	1	3	1	0.98	10	44	0.2
2000T-281-1 Analytical Duplicate	375405.56	6111977.50	1	3	3.1	370	5.4	13	4	30	1	1.07	8	1	3	1	1.13	10	43	0.2
2000T-281-2 Analytical Duplicate	375405.56	6111977.50	1	3	3.1	410	5.4	12	4	38	1	1.25	8	1	3	1	1.24	10	44	0.2

Sample Site	UTM Easting	UTM Northing	Au ppb	Ag ppm	As ppm	Ba ppm	Br ppm	Ca %	Co ppm	Cr ppm	Cs ppm	Fe %	Hf ppm	Hg ppm	Ir ppb	Mo ppm	Na %	Ni ppm	Rb ppm	Sb ppm
2000T-310-1 Analytical Duplicate	386862.44	6121457.50	1	3	3.7	450	6.1	15	5	40	1	1.42	6	1	3	1	0.95	10	58	0.2
2000T-310-2 Analytical Duplicate	386862.44	6121457.50	1	3	3.8	360	5.5	15	6	42	1	1.44	6	1	3	1	1.00	10	47	0.3
2000T-329-1 Analytical Duplicate	399739.69	6116073.00	2	3	2.8	360	4.3	12	3	31	1	1.04	8	1	3	1	1.10	10	36	0.3
2000T-329-2 Analytical Duplicate	399739.69	6116073.00	2	3	2.6	370	4.4	12	5	36	1	1.27	9	1	3	1	1.20	10	33	0.3
2000T-345-1 Analytical Duplicate	373345.66	6119686.50	1	3	2.7	430	5.1	15	4	31	1	1.11	6	1	3	1	1.08	10	36	0.2
2000T-345-2 Analytical Duplicate	373345.66	6119686.50	1	3	2.9	450	5.5	14	4	34	1	1.23	6	1	3	1	1.12	10	34	0.2

Sample Site	Sc	Se	Sn	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	TREE	Mass
	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
2000T-16-1 Analytical Duplicate	4.1	2	0.01	0.03	0.3	4.1	1.1	1	25	16.5	37	15	2.7	0.7	0.3	1.3	0.19	73.64	5.766
2000T-16-2 Analytical Duplicate	4.5	2	0.01	0.03	0.3	5.8	1.0	1	25	19.4	41	17	2.9	0.7	0.3	1.4	0.20	82.85	6.291
2000T-35-1 Analytical Duplicate	4.7	2	0.01	0.03	1.0	6.4	1.5	1	25	21.0	49	20	3.1	0.6	0.3	1.5	0.24	95.69	5.867
2000T-35-2 Analytical Duplicate	4.8	2	0.01	0.03	0.3	6.6	1.6	1	25	21.7	47	17	3.2	0.8	0.3	1.7	0.25	91.90	6.778
2000T-53-1 Analytical Duplicate	4.8	2	0.01	0.03	0.3	5.8	1.3	1	25	21.3	46	21	3.2	0.8	0.3	1.5	0.22	94.27	6.630
2000T-53-2 Analytical Duplicate	4.5	2	0.01	0.03	0.3	5.4	1.0	1	25	19.7	42	17	2.9	0.7	0.7	1.5	0.24	84.74	7.004
2000T-69-1 Analytical Duplicate	4.2	2	0.01	0.03	0.3	5.8	1.3	1	25	20.2	47	15	2.9	0.8	0.3	1.5	0.23	87.88	7.466
2000T-69-2 Analytical Duplicate	4.6	2	0.01	0.03	0.3	6.7	1.6	1	25	21.3	47	19	3.1	0.7	0.3	1.5	0.24	93.09	6.139
2000T-76-1 Analytical Duplicate	5.5	2	0.01	0.03	0.3	9.1	1.9	1	25	26.7	53	20	3.9	0.9	0.3	1.4	0.22	106.37	6.267
2000T-76-2 Analytical Duplicate	5.5	2	0.01	0.03	0.3	9.5	1.5	1	25	26.7	56	24	3.9	0.8	0.3	1.6	0.23	113.48	6.255
2000T-102-1 Analytical Duplicate	4.5	2	0.01	0.03	0.3	6.7	1.3	1	25	21.0	46	20	3.2	0.8	0.3	1.5	0.23	92.98	6.457
2000T-102-2 Analytical Duplicate	4.6	2	0.01	0.03	0.3	6.6	1.3	1	25	21.0	47	21	3.4	0.8	0.3	1.6	0.24	95.29	6.473
2000T-130-1 Analytical Duplicate	5.3	2	0.01	0.03	0.3	6.8	1.6	1	25	23.6	51	20	3.9	0.8	0.3	1.7	0.25	101.50	6.384
2000T-130-2 Analytical Duplicate	5.0	2	0.01	0.03	0.3	6.7	1.4	1	25	21.9	47	20	3.7	0.8	0.3	1.6	0.24	95.49	7.087
2000T-137-1 Analytical Duplicate	4.4	2	0.01	0.03	1.0	6.2	1.4	1	25	21.0	39	16	3.2	0.7	0.3	1.6	0.24	81.99	6.855
2000T-137-2 Analytical Duplicate	4.4	2	0.01	0.03	0.3	6.1	1.3	1	25	20.0	37	16	3.2	0.7	0.3	1.5	0.23	78.88	7.326
2000T-149-1 Analytical Duplicate	4.1	2	0.01	0.03	0.3	5.8	1.0	1	25	20.0	37	16	3.2	0.7	0.3	1.6	0.24	78.99	6.627
2000T-149-2 Analytical Duplicate	4.1	2	0.01	0.03	0.3	5.9	1.4	1	25	19.6	38	16	3.1	0.7	0.3	1.5	0.23	79.38	6.640
2000T-171-1 Analytical Duplicate	4.4	2	0.01	0.03	0.3	6.1	1.5	1	25	20.5	41	18	3.1	0.8	0.3	1.5	0.23	85.38	7.367
2000T-171-2 Analytical Duplicate	4.4	2	0.01	0.03	0.3	6.3	1.6	1	25	21.0	40	14	3.2	0.7	0.3	1.5	0.23	80.88	7.154
2000T-179-1 Analytical Duplicate	3.8	2	0.01	0.03	0.3	5.4	1.6	1	25	18.9	38	11	2.9	0.7	0.3	1.5	0.23	73.48	7.837
2000T-179-2 Analytical Duplicate	4.1	2	0.01	0.03	0.3	5.9	1.1	1	56	20.6	39	16	3.1	0.7	0.3	1.5	0.23	81.38	7.312
2000T-218-1 Analytical Duplicate	4.0	2	0.01	0.03	0.7	5.6	1.4	1	25	18.8	37	16	2.9	0.6	0.3	1.5	0.23	77.28	7.615
2000T-218-2 Analytical Duplicate	4.4	2	0.01	0.03	0.6	5.7	1.2	1	25	19.7	40	17	3.0	0.7	0.3	1.5	0.23	82.38	6.943
2000T-231-1 Analytical Duplicate	4.7	2	0.01	0.03	0.3	6.9	1.4	1	25	22.8	48	19	3.5	0.8	0.3	1.7	0.25	96.30	7.040
2000T-231-2 Analytical Duplicate	4.8	2	0.01	0.03	0.3	6.9	1.1	1	25	22.9	50	20	3.5	0.8	0.6	1.8	0.26	99.86	6.480
2000T-250-1 Analytical Duplicate	4.4	2	0.01	0.03	0.3	6.4	1.5	1	25	20.5	45	19	3.5	0.8	0.3	1.7	0.25	91.00	7.519
2000T-250-2 Analytical Duplicate	4.5	2	0.01	0.03	0.3	6.4	1.6	1	25	21.6	49	18	3.6	0.8	0.3	1.7	0.25	95.20	7.287
2000T-265-1 Analytical Duplicate	4.6	2	0.01	0.03	0.3	6.3	1.5	1	25	20.9	46	17	3.4	0.9	0.3	1.7	0.24	90.39	7.023
2000T-265-2 Analytical Duplicate	4.7	2	0.01	0.03	0.3	6.9	1.6	1	25	22.1	44	19	3.5	0.7	0.3	1.7	0.24	91.49	6.439
2000T-281-1 Analytical Duplicate	4.3	2	0.01	0.03	0.8	6.3	0.5	1	25	19.5	44	18	3.5	0.8	0.3	1.6	0.24	87.89	7.239
2000T-281-2 Analytical Duplicate	5.2	2	0.01	0.03	0.9	7.6	1.3	1	25	24.7	53	20	3.9	1.0	0.3	1.8	0.26	104.91	7.127

Sample Site	Sc ppm	Se ppm	Sn %	Sr %	Ta ppm	Th ppm	U ppm	W ppm	Zn ppm	La ppm	Ce ppm	Nd ppm	Sm ppm	Eu ppm	Tb ppm	Yb ppm	Lu ppm	TREE ppm	Mass g
2000T-310-1 Analytical Duplicate	5.3	3	0.01	0.03	0.3	6.4	1.2	1	25	21.7	49	17	3.2	0.7	0.7	1.5	0.23	94.03	6.076
2000T-310-2 Analytical Duplicate	5.3	2	0.01	0.03	0.3	6.8	1.2	1	25	21.8	52	19	3.2	0.8	0.6	1.4	0.23	99.03	6.107
2000T-329-1 Analytical Duplicate	4.2	2	0.01	0.03	0.3	5.8	1.5	1	25	19.3	43	16	2.9	0.7	0.3	1.5	0.23	83.88	8.087
2000T-329-2 Analytical Duplicate	4.5	2	0.01	0.03	0.3	6.0	1.5	1	25	20.5	46	17	3.0	0.8	0.5	1.6	0.24	89.64	7.817
2000T-345-1 Analytical Duplicate	4.5	2	0.01	0.03	0.3	6.1	1.3	1	25	20.3	45	17	3.0	0.8	0.3	1.4	0.21	87.96	6.149
2000T-345-2 Analytical Duplicate	4.8	2	0.01	0.03	0.9	6.4	1.3	1	25	20.0	51	20	3.1	0.8	0.3	1.4	0.21	96.76	6.285

INAA Percentile Bubble Plots For The <63 Micron Size Fraction Of Till Samples.



Legend

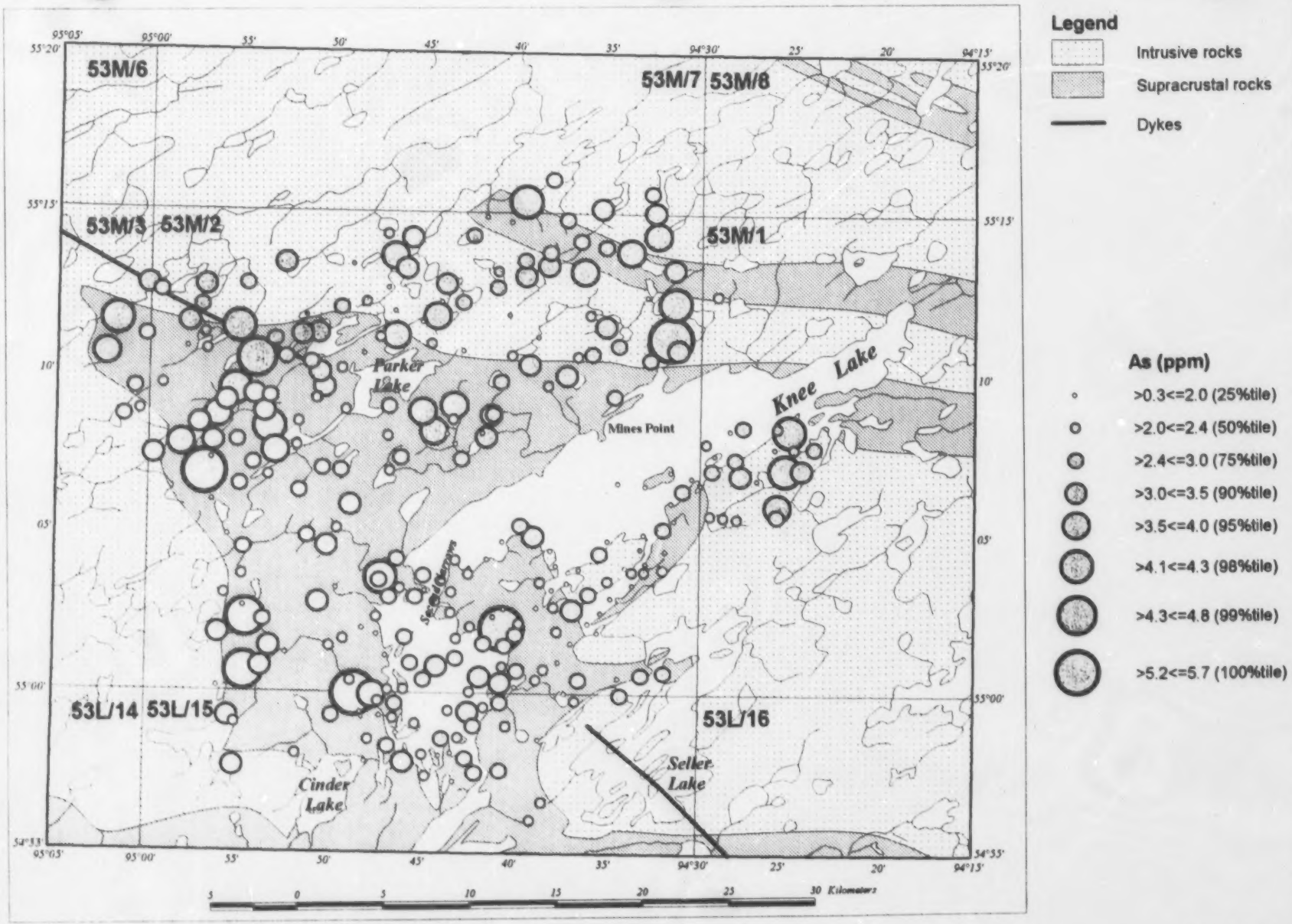
- Intrusive rocks
- Supracrustal rocks
- Dykes

Au (ppb)

- >1<=1 (90%tile)
- >1<=3 (95%tile)
- >3<=4 (98%tile)
- >5<=7 (99%tile)
- >10<=15 (100%tile)

Till (<63 micron) 301 samples INAA

Appendix T-6-1



Legend

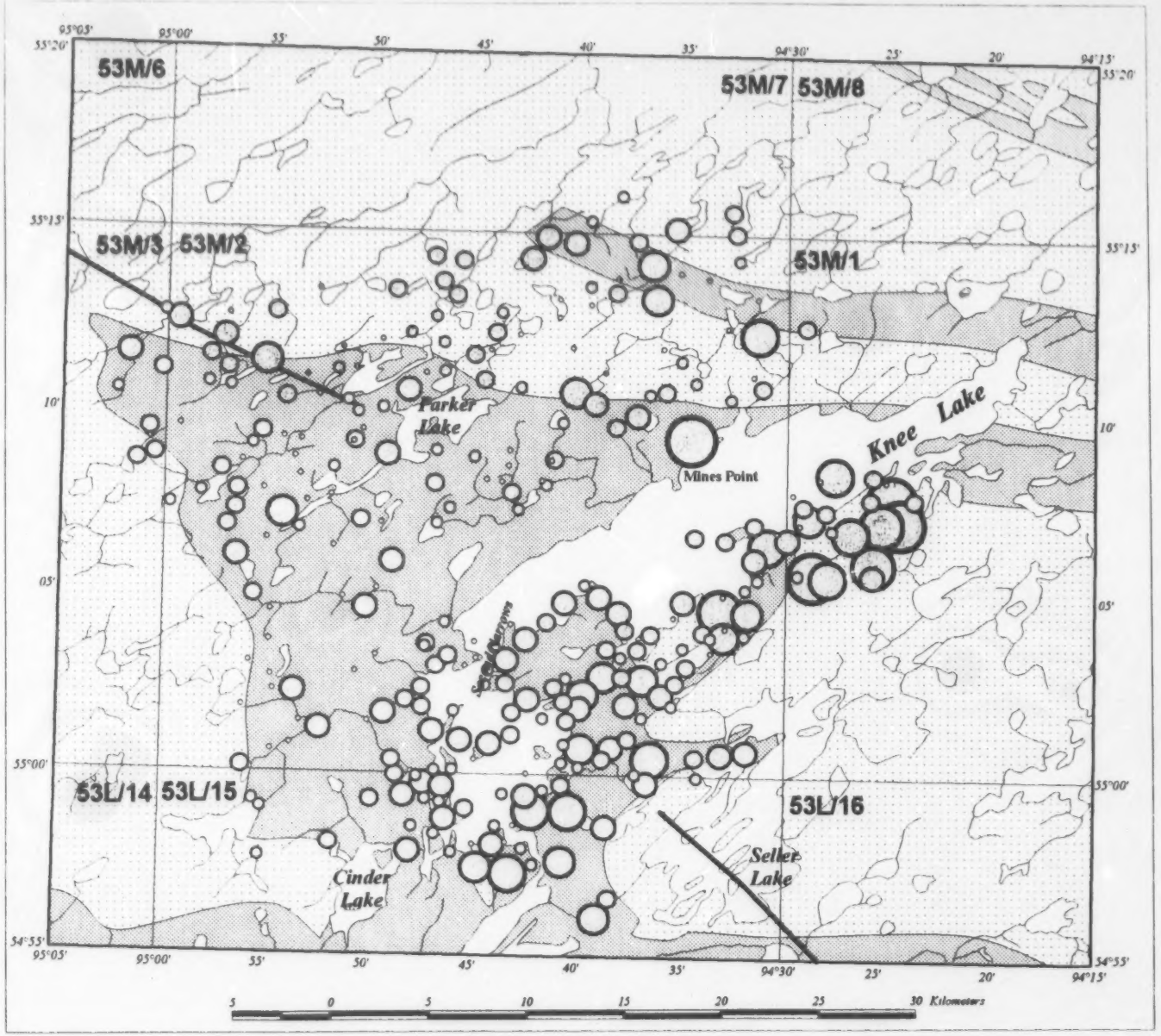
- Intrusive rocks
- Supracrustal rocks
- Dykes

As (ppm)

- >0.3<=2.0 (25%tile)
- >2.0<=2.4 (50%tile)
- >2.4<=3.0 (75%tile)
- >3.0<=3.5 (90%tile)
- >3.5<=4.0 (95%tile)
- >4.1<=4.3 (98%tile)
- >4.3<=4.8 (99%tile)
- >5.2<=5.7 (100%tile)

Till (<63 micron) 301 samples INAA

Appendix T-6-2



Legend

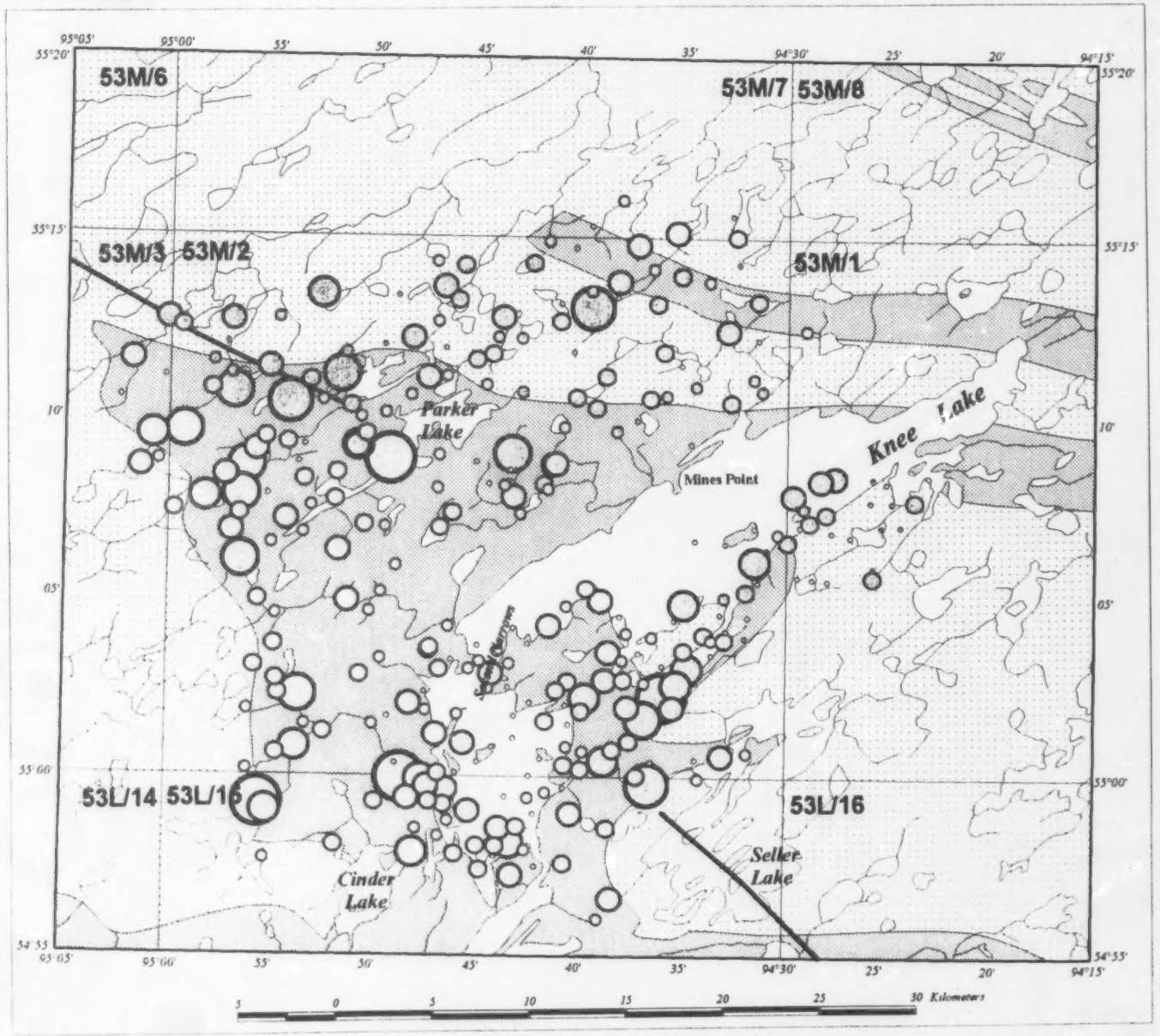
- Intrusive rocks
- Supracrustal rocks
- Dykes

Ba (ppm)

- >210<=350 (25%tile)
- >350<=380 (50%tile)
- >380<=420 (75%tile)
- >420<=460 (90%tile)
- >460<=500 (95%tile)
- >510<=690 (98%tile)
- >700<=740 (99%tile)
- >760<=820 (100%tile)

Till (<63 micron) 301 samples INAA

Appendix T-6-3



Legend

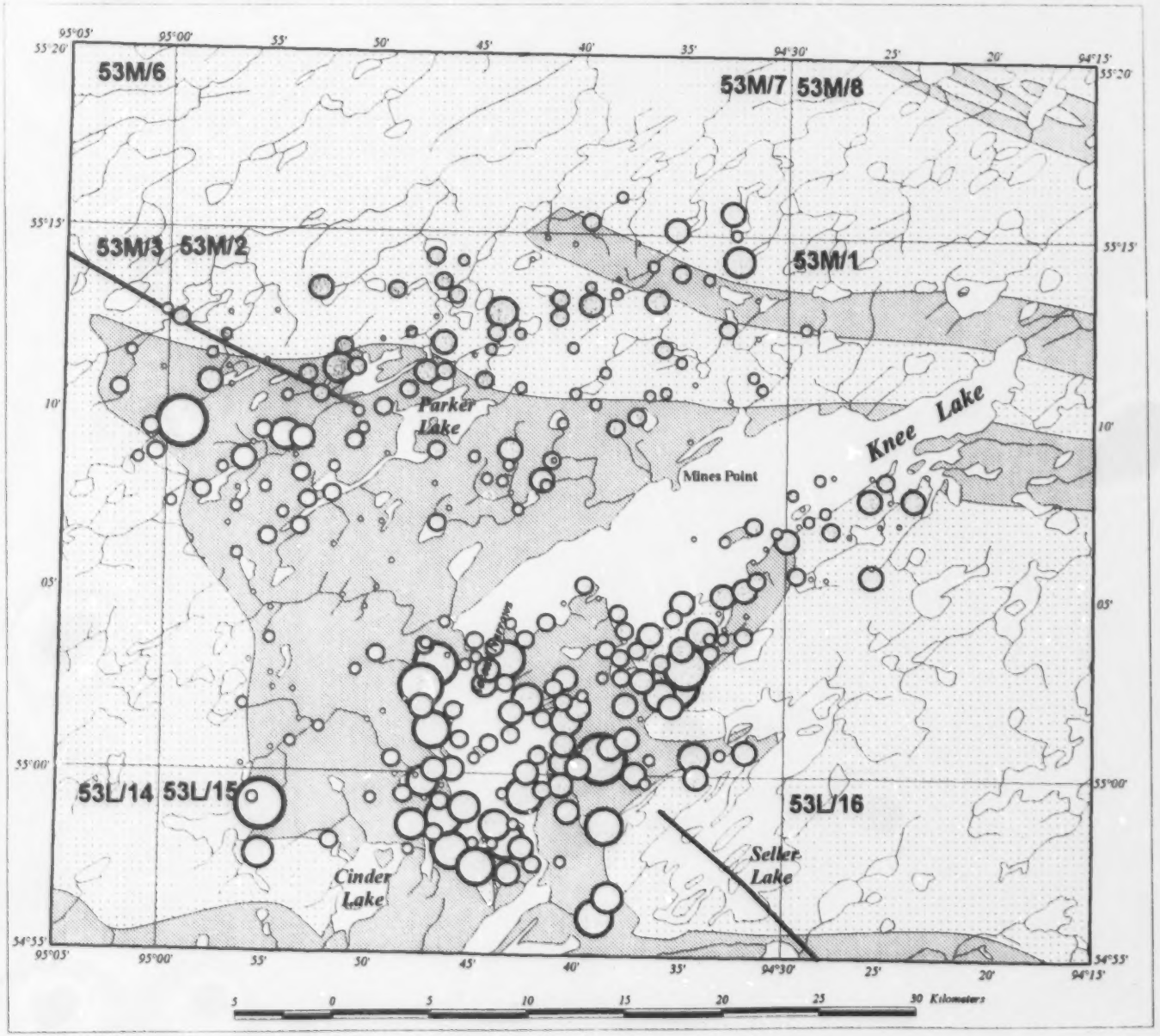
- Intrusive rocks
- Supracrustal rocks
- Dykes

Br (ppm)

- >0.3<=4.2 (25%tile)
- >4.3<=4.7 (50%tile)
- >4.7<=5.3 (75%tile)
- >5.3<=5.9 (90%tile)
- >5.9<=6.2 (95%tile)
- >6.3<=6.8 (98%tile)
- >7.1<=8.0 (99%tile)
- >8.1<=10.9 (100%tile)

Till (<63 micron) 301 samples INAA

Appendix T-6-4



Legend

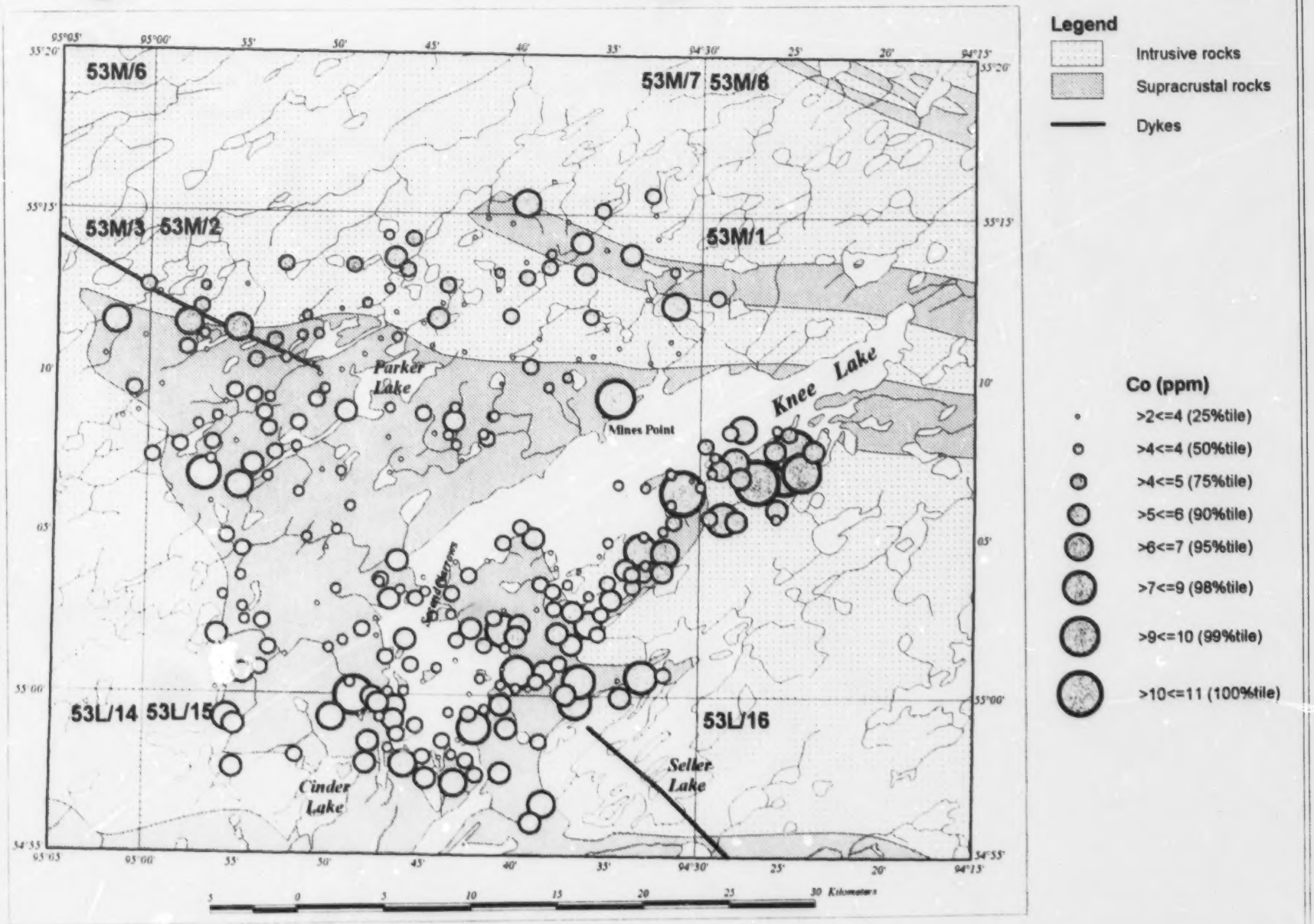
- Intrusive rocks
- Supracrustal rocks
- Dykes

Ca (wt.%)

- >1<=13 (25%tile)
- >13<=14 (50%tile)
- >14<=15 (75%tile)
- >15<=16 (90%tile)
- >16<=17 (95%tile)
- >17<=18 (98%tile)
- >18<=19 (99%tile)
- >20<=21 (100%tile)

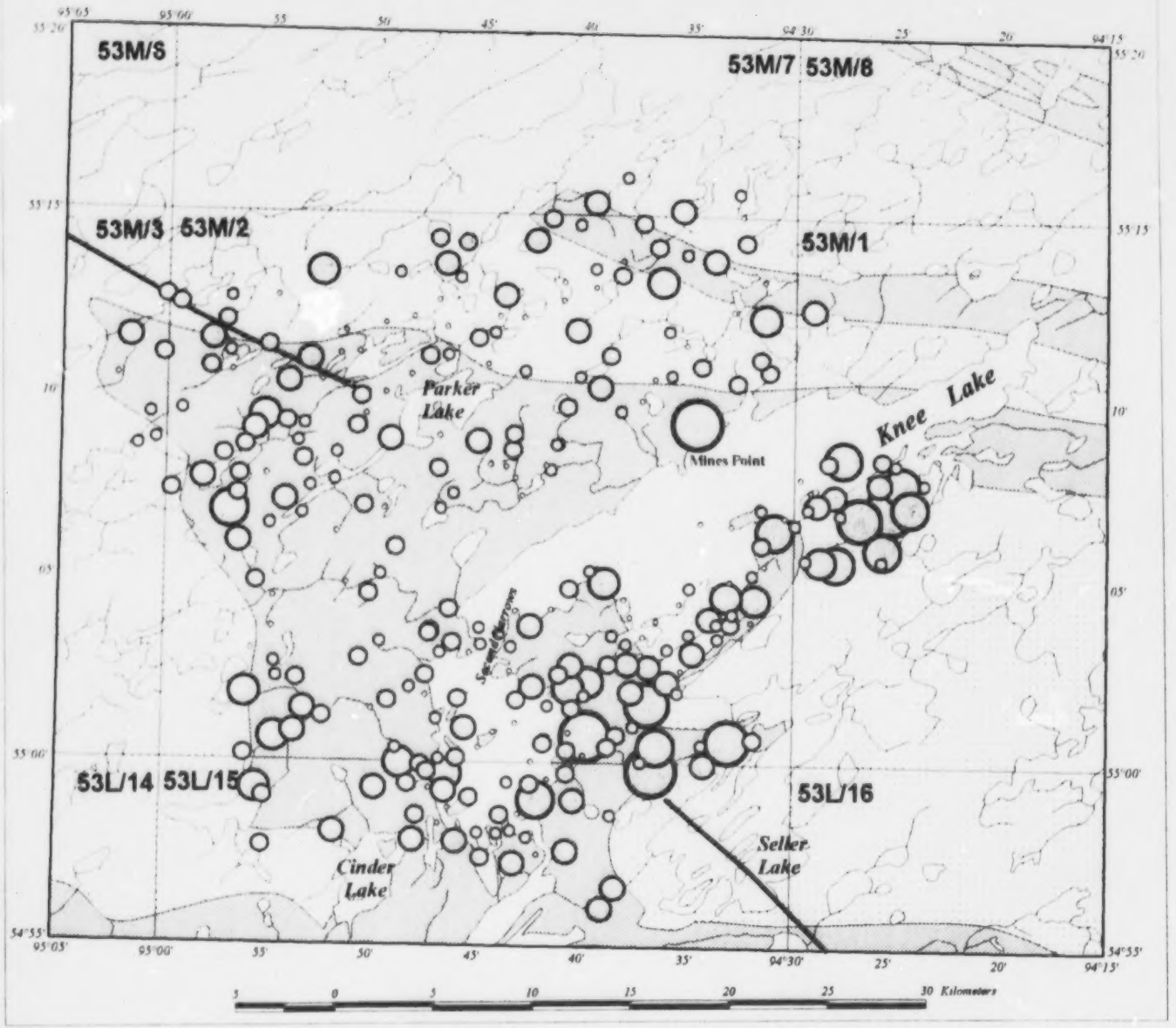
Till (<63 micron) 301 samples INAA

Appendix T-6-5



Till (<63 micron) 301 samples INAA

Appendix T-6-6



Legend

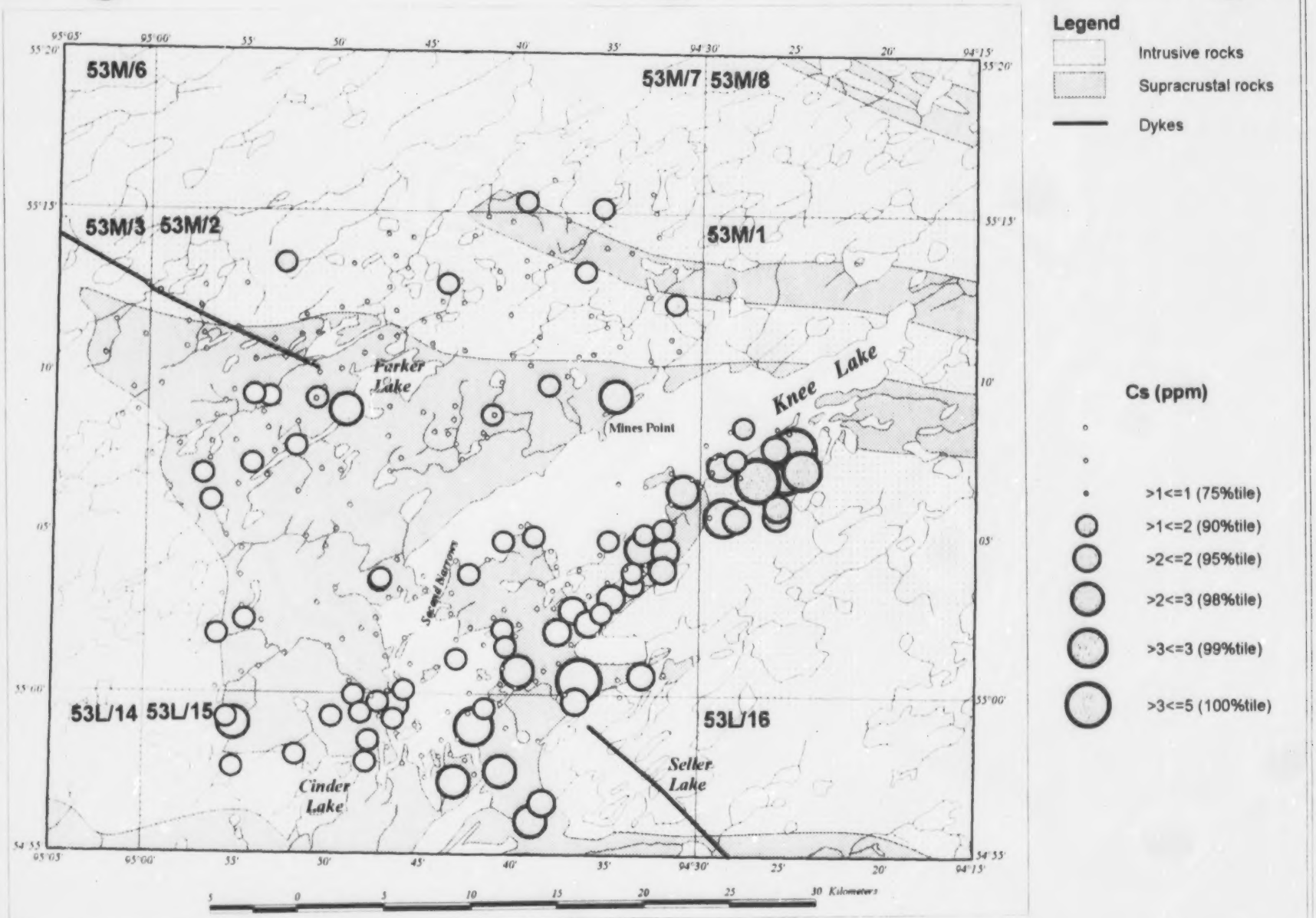
- Intrusive rocks
- Supracrustal rocks
- Dykes

Cr (ppm)

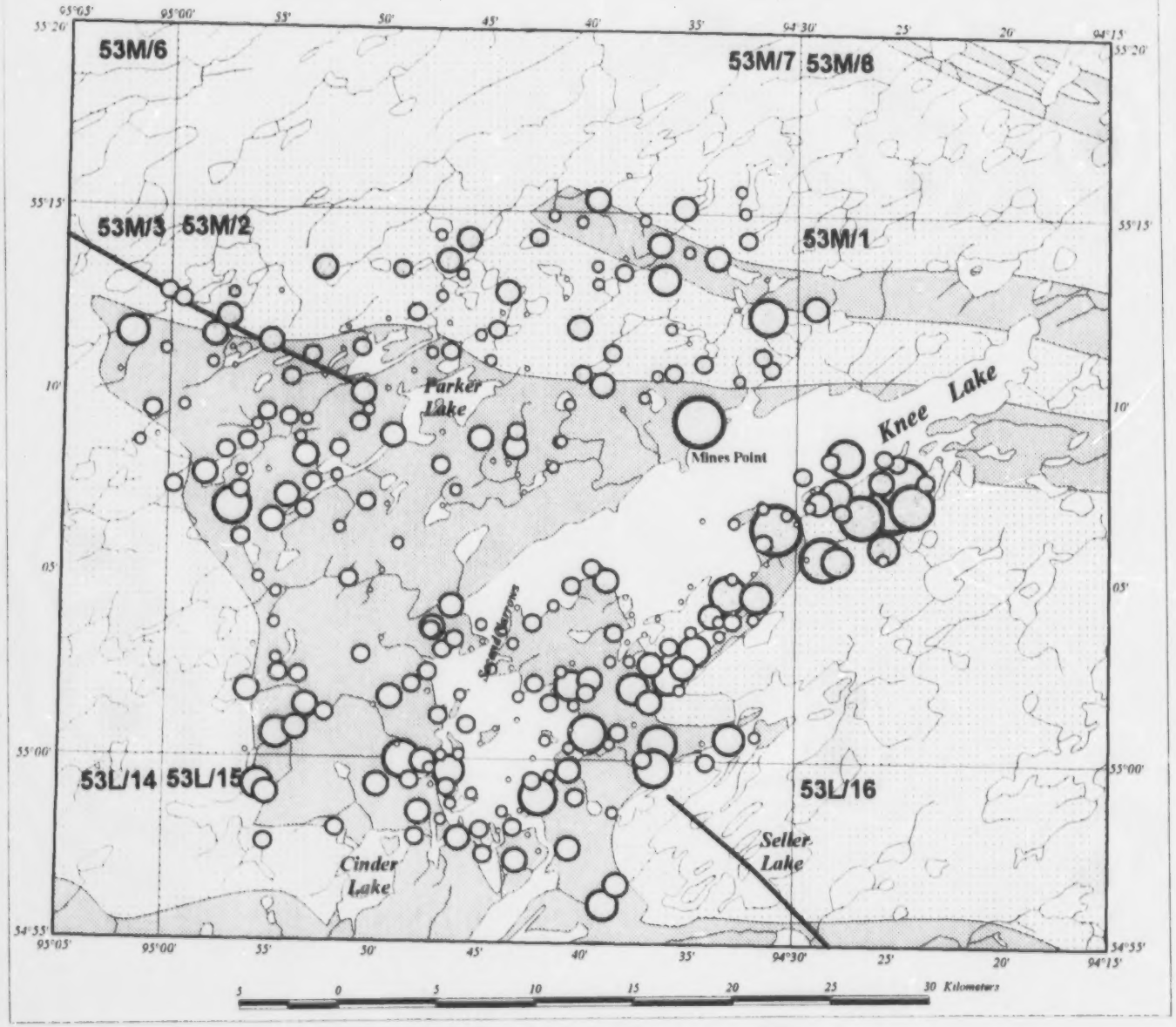
- >21<=29 (25%tile)
- >29<=31 (50%tile)
- >31<=35 (75%tile)
- >35<=42 (90%tile)
- >42<=49 (95%tile)
- >49<=54 (98%tile)
- >54<=58 (99%tile)
- >59<=83 (100%tile)

Till (<63 micron) 301 samples INAA

Appendix T-6-7



Till (<63 micron) 301 samples INAA



Legend

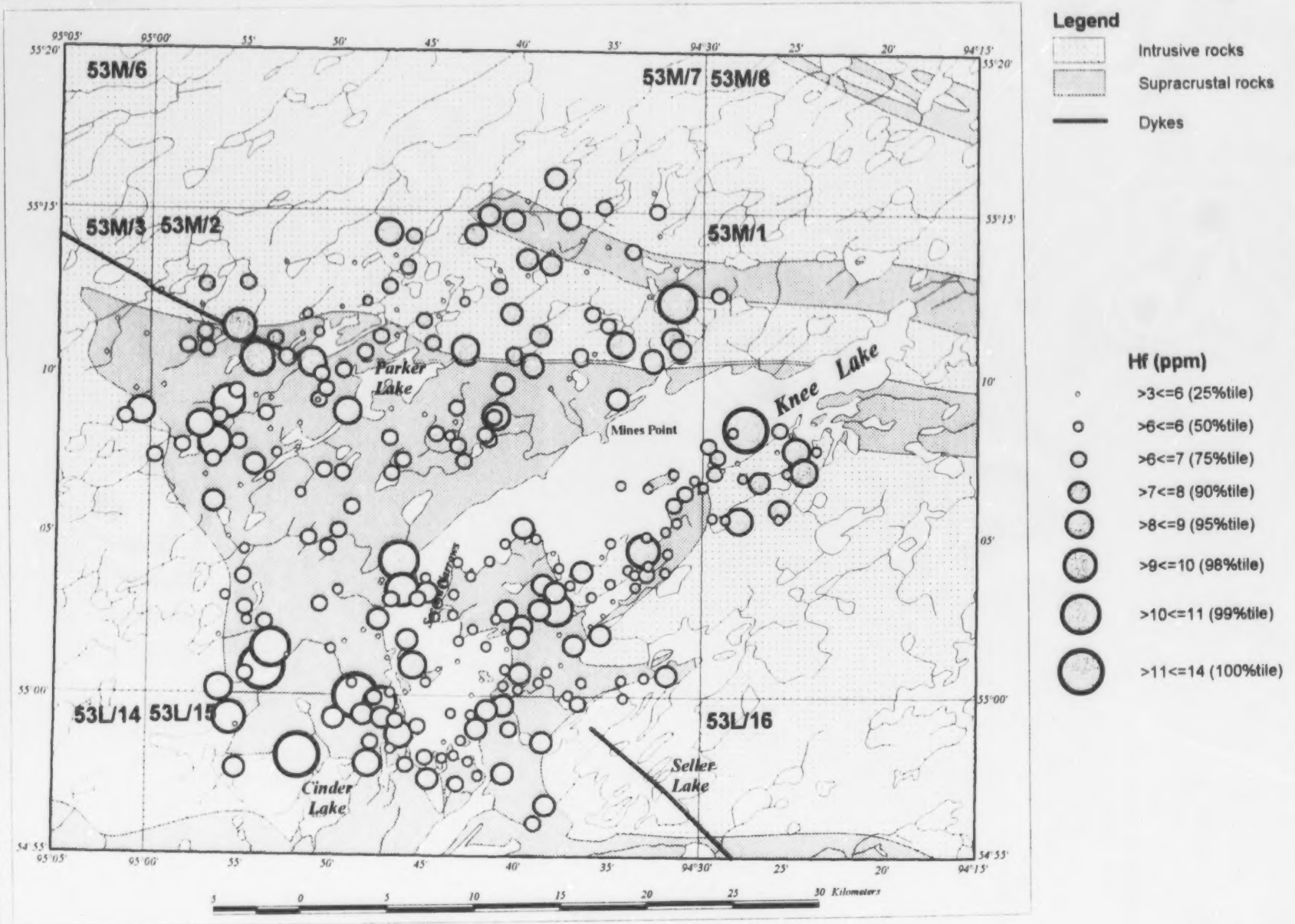
- Intrusive rocks
- Supracrustal rocks
- Dykes

Fe (wt.%)

- >0.79<=1.06 (25%tile)
- >1.06<=1.15 (50%tile)
- >1.16<=1.31 (75%tile)
- >1.31<=1.62 (90%tile)
- >1.62<=1.98 (95%tile)
- >2.04<=2.29 (98%tile)
- >2.31<=2.43 (99%tile)
- >2.49<=3.28 (100%tile)

Till (<63 micron) 301 samples INAA

Appendix T-6-9



Legend

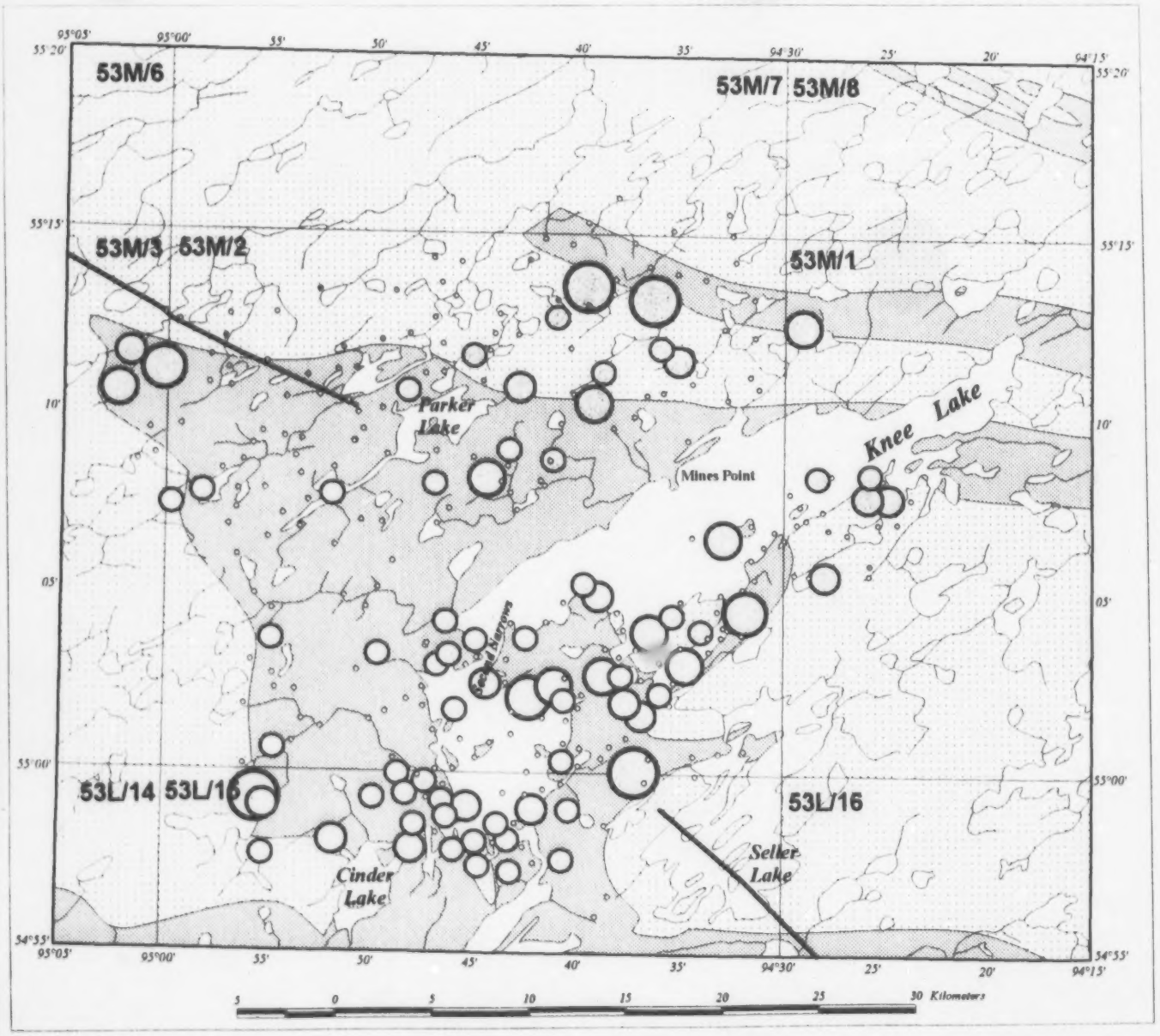
- Intrusive rocks
- Supracrustal rocks
- Dykes

Hf (ppm)

- >3<=6 (25%tile)
- >6<=6 (50%tile)
- >6<=7 (75%tile)
- >7<=8 (90%tile)
- >8<=9 (95%tile)
- >9<=10 (98%tile)
- >10<=11 (99%tile)
- >11<=14 (100%tile)

Till (<63 micron) 301 samples INAA

Appendix T-6-10



Legend

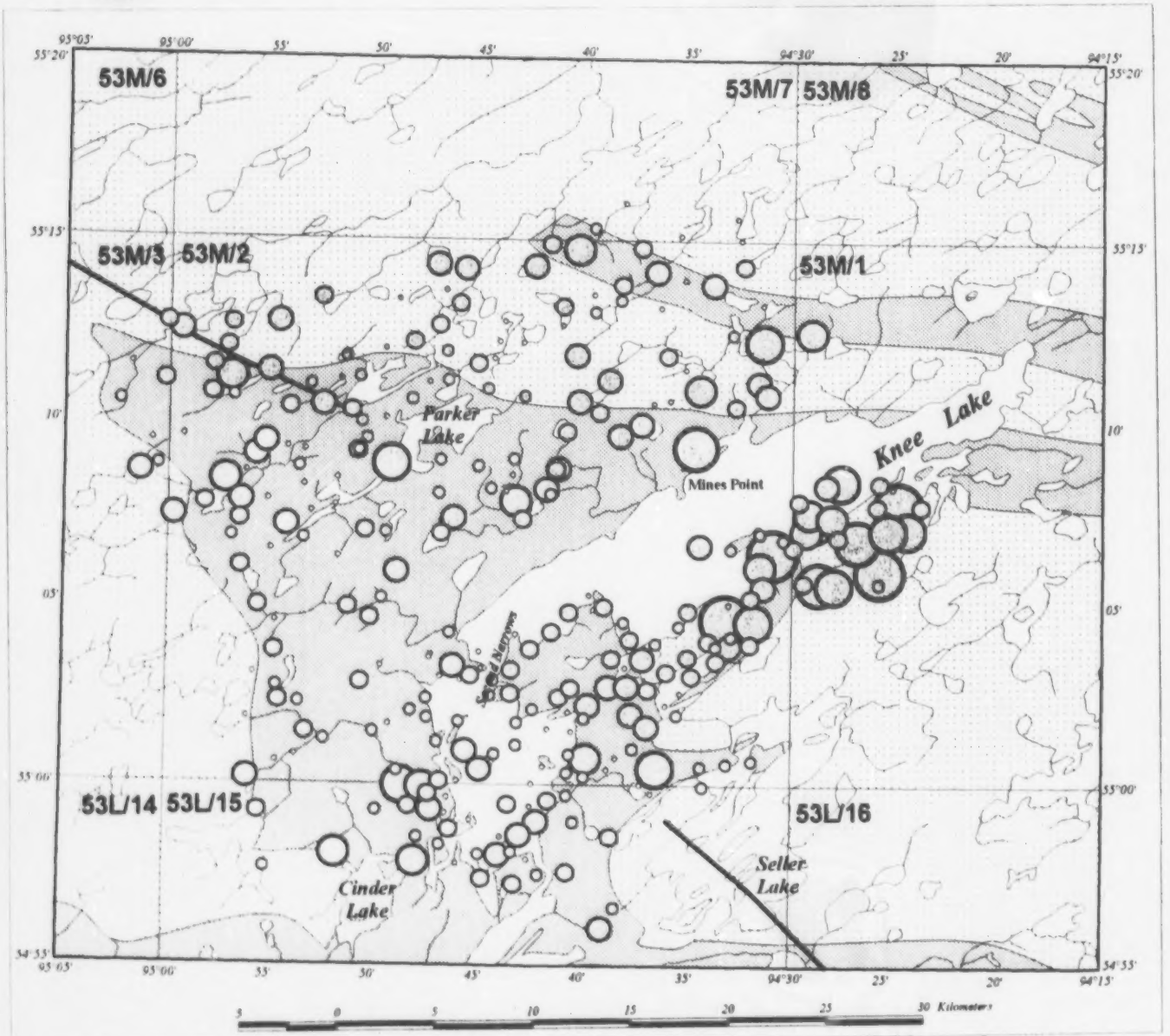
- Intrusive rocks
- Supracrustal rocks
- Dykes

Mo (ppm)

- >1<=1 (75%tile)
- >1<=3 (90%tile)
- >3<=4 (95%tile)
- >4<=5 (98%tile)
- >5<=6 (99%tile)
- >6<=7 (100%tile)

Till (<63 micron) 301 samples INAA

Appendix T-6-11



Legend

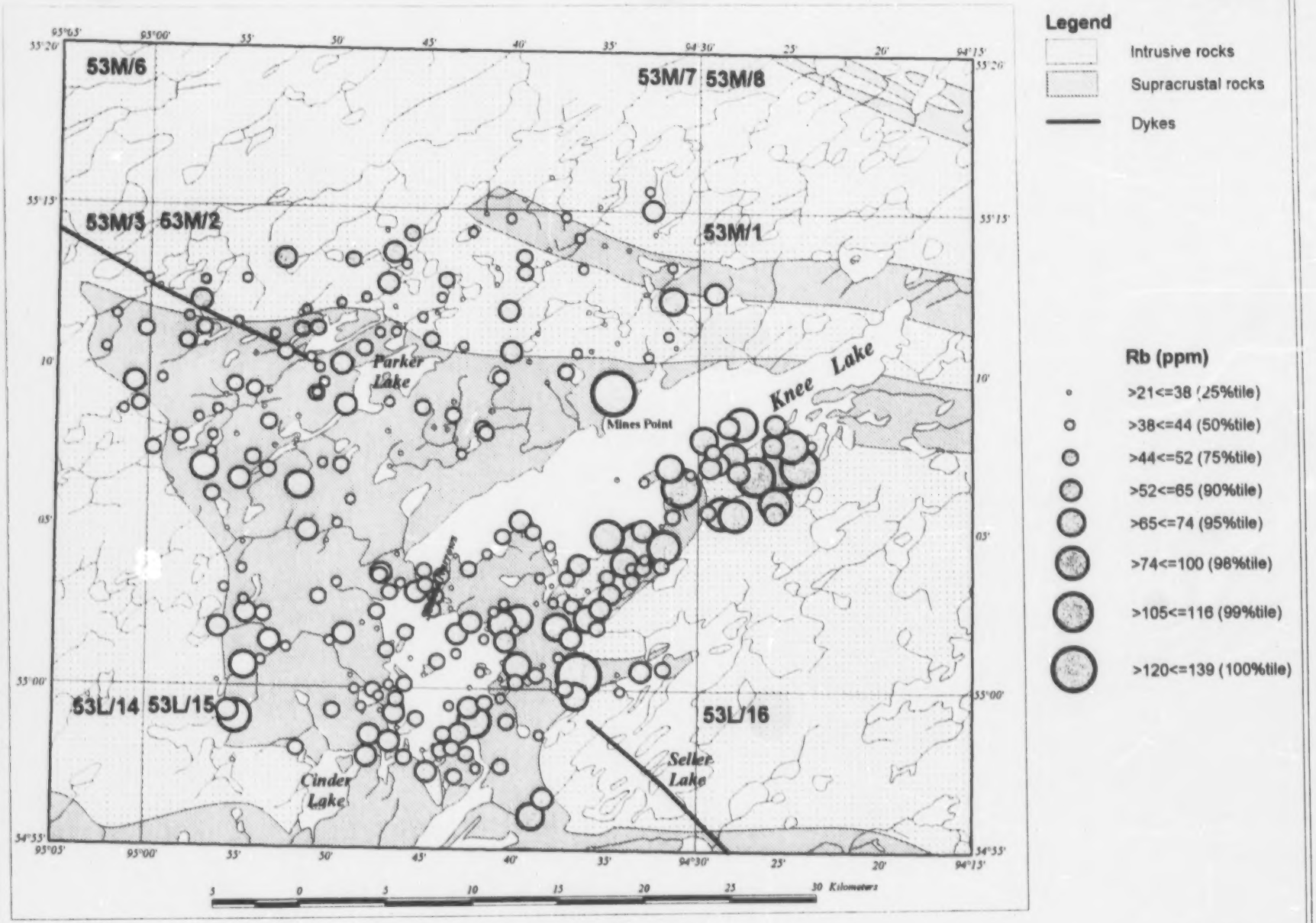
- Intrusive rocks
- Supracrustal rocks
- Dykes

Na (wt.%)

- >0.79<=0.99 (25%tile)
- >0.99<=1.03 (50%tile)
- >1.03<=1.08 (75%tile)
- >1.08<=1.13 (90%tile)
- >1.13<=1.22 (95%tile)
- >1.29<=2.03 (98%tile)
- >2.05<=2.12 (99%tile)
- >2.16<=2.31 (100%tile)

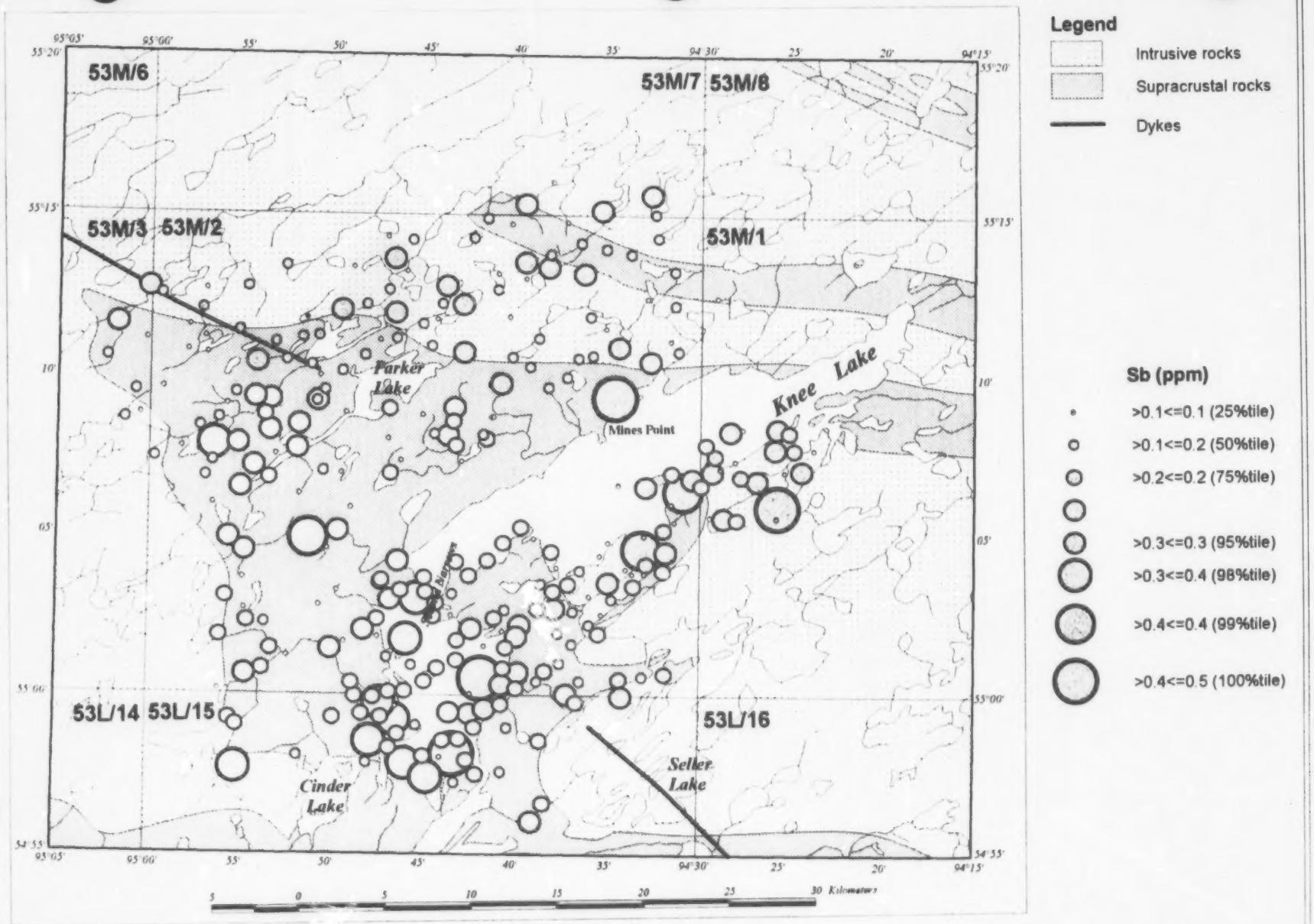
Till (<63 micron) 301 samples INAA

Appendix T-6-12

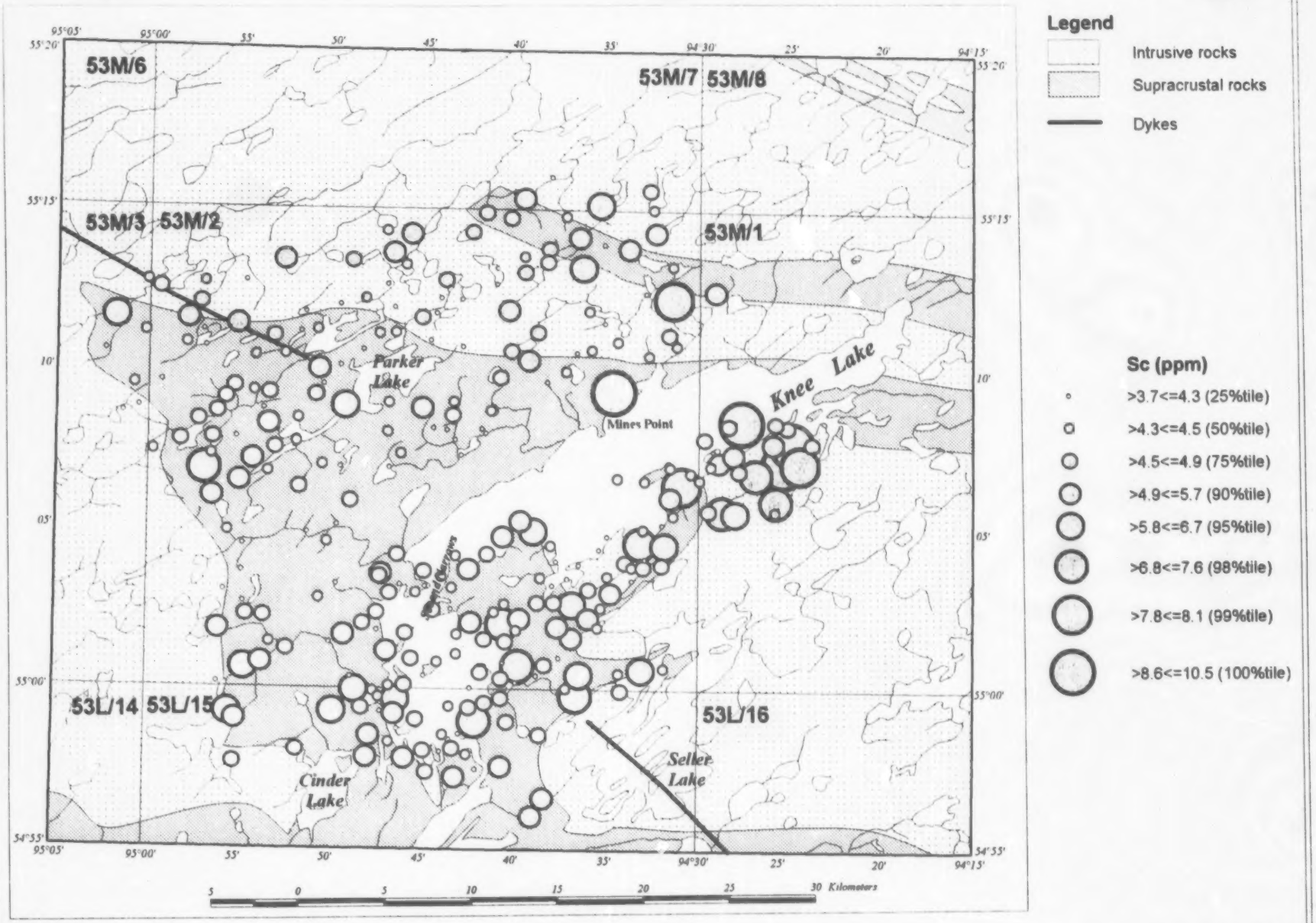


Till (<63 micron) 301 samples INAA

Appendix T-6-13

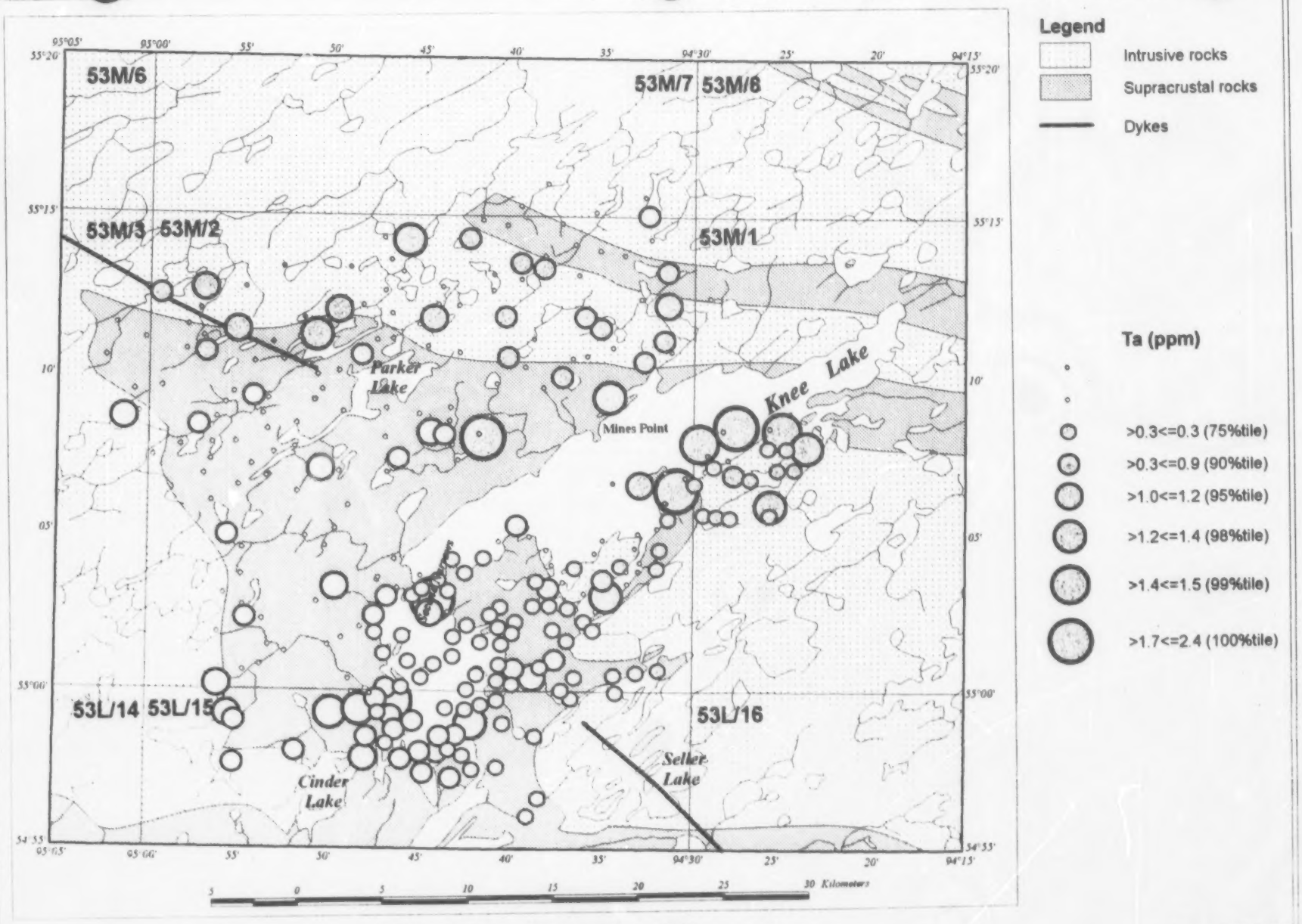


Till (<63 micron) 301 samples INAA

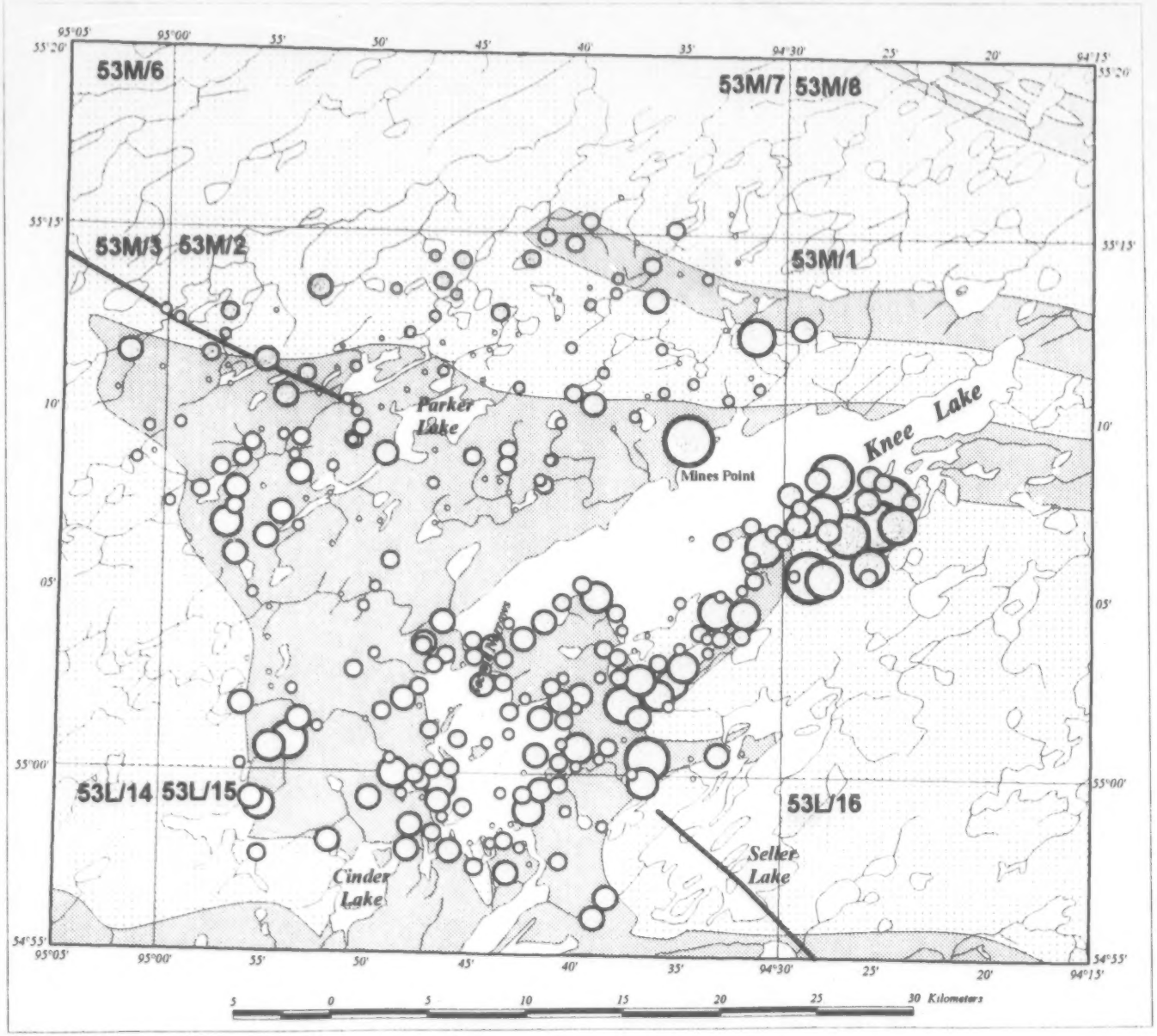


Till (<63 micron) 301 samples INAA

Appendix T-6-15



Till (<63 micron) 301 samples INAA



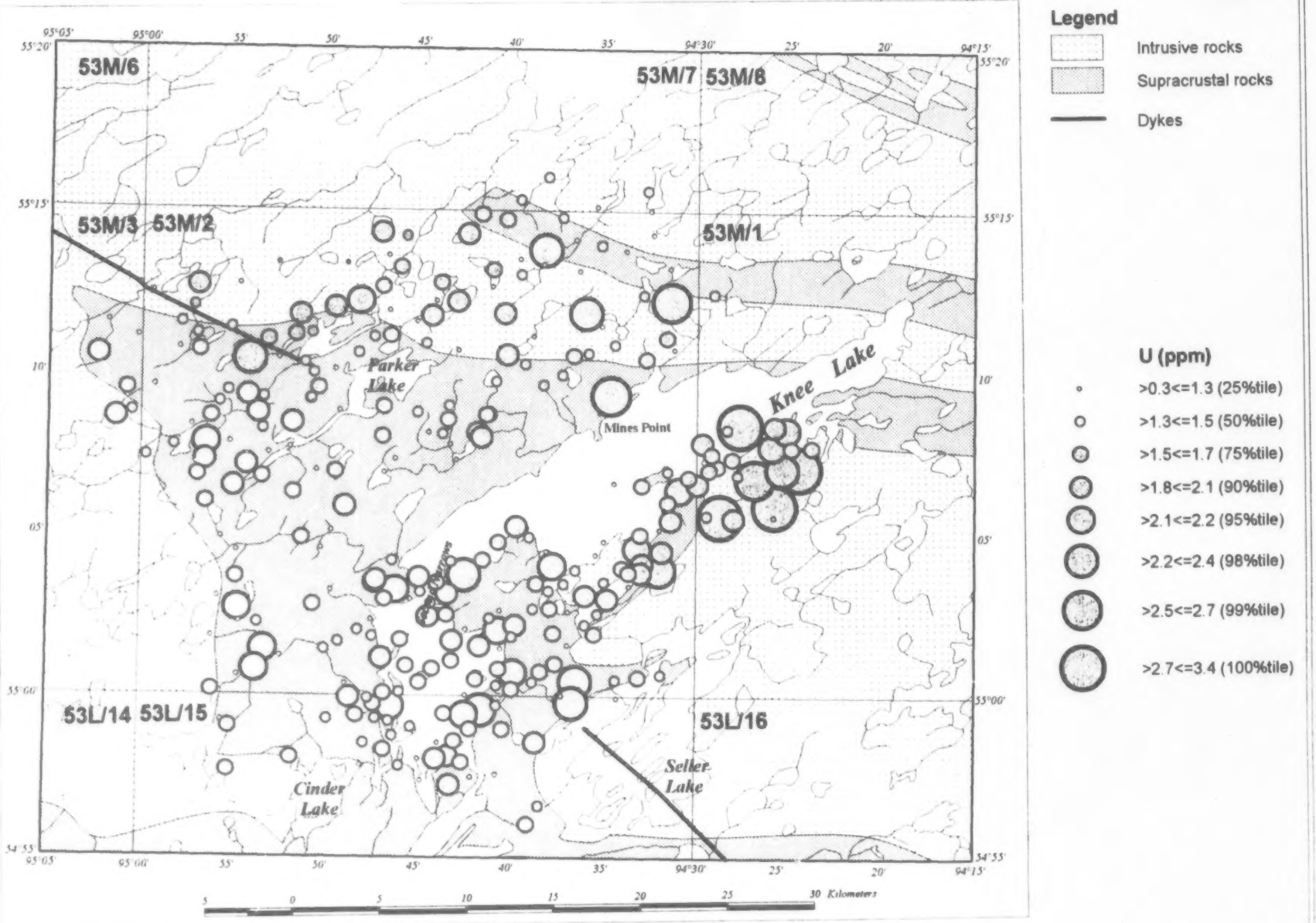
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

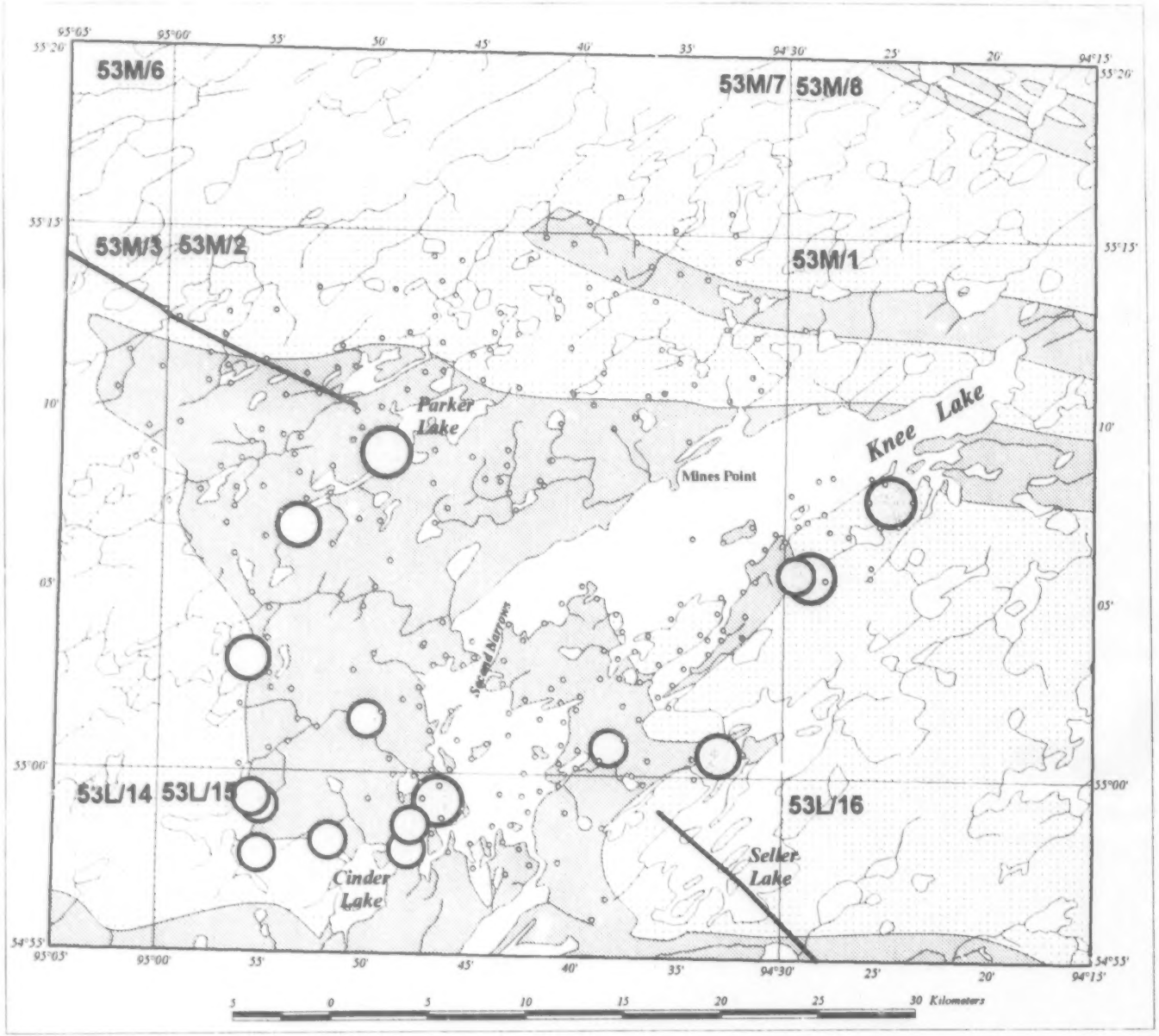
Th (ppm)

- >4.4<=5.8 (25%tile)
- >5.8<=6.4 (50%tile)
- >6.4<=7.2 (75%tile)
- >7.2<=8.5 (90%tile)
- >8.7<=11.2 (95%tile)
- >11.5<=17.5 (98%tile)
- >17.6<=18.4 (99%tile)
- >20.2<=22.4 (100%tile)

Till (<63 micron) 301 samples INAA



Till (<63 micron) 301 samples INAA



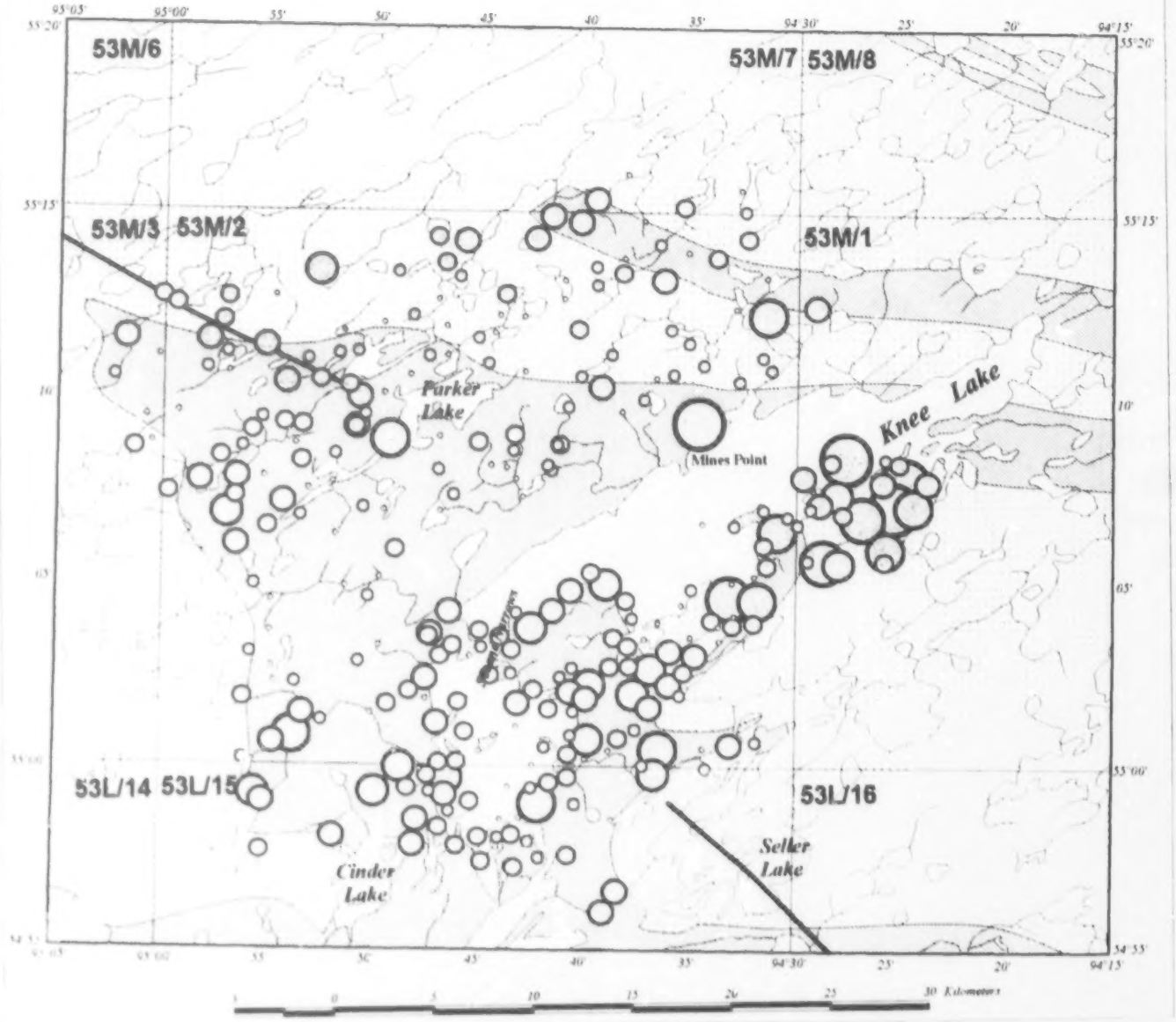
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Zn (ppm)

- >25<=25 (95%tile)
- >25<=56 (98%tile)
- >59<=65 (99%tile)
- >65<=69 (100%tile)

Till (<63 micron) 301 samples INAA



Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Total REE (ppm)

- >70.85<=84.70 (25%tile)
- >84.70<=91.18 (50%tile)
- >91.20<=97.88 (75%tile)
- >98.08<=109.93 (90%tile)
- >110.30<=132.80 (95%tile)
- >133.71<=167.61 (98%tile)
- >169.87<=176.14 (99%tile)
- >212.27<=261.11 (100%tile

Till (<63 micron) 301 samples INAA

Chittick Analysis, <63 Micron Size Fraction Of Till Samples.

Sample Site	UTM Easting	UTM Northing	% Calcite	% Dolomite	Total Carbonate
2000T-1	376811.59	6095036.00	11.10	23.11	34.21
2000T-2	377219.03	6094650.00	25.34	21.54	46.89
2000T-4	377113.03	6092150.50	16.80	24.24	41.03
2000T-6	380742.38	6092790.50	12.03	26.03	38.07
2000T-8	384794.28	6092294.50	6.34	27.83	34.16
2000T-9-1 Analytical Duplicate	384964.69	6093535.50	13.83	27.83	41.66
2000T-9-2 Analytical Duplicate	384964.69	6093535.50	15.86	24.24	40.10
2000T-12	386406.75	6094751.50	11.96	27.83	39.79
2000T-13	382872.97	6094968.00	9.19	26.93	36.12
2000T-14	384536.25	6095146.50	12.93	26.93	39.86
2000T-15	385545.63	6095757.00	12.23	27.45	39.68
2000T-16-1 Analytical Duplicate	389243.59	6093479.00	17.12	24.71	41.83
2000T-16-2 Analytical Duplicate	389243.59	6093479.00	19.11	22.88	41.99
2000T-16-3 Analytical Duplicate	389243.59	6093479.00	18.60	26.03	44.63
2000T-17	386099.72	6092595.00	11.39	24.71	36.10
2000T-18	386987.81	6092178.00	18.08	24.71	42.79
2000T-24	389871.75	6091013.50	10.47	23.79	34.26
2000T-25	388257.63	6091353.50	11.39	24.71	36.10
2000T-26	386632.31	6093907.50	13.30	24.71	38.01
2000T-27	387695.53	6094386.00	15.11	27.04	42.16
2000T-28	392562.69	6091566.00	10.49	23.46	33.95
2000T-29-1 Analytical Duplicate	392950.53	6094153.50	13.20	27.06	40.26
2000T-29-2 Analytical Duplicate	392950.53	6094153.50	12.03	26.03	38.07
2000T-30	387156.56	6099410.50	14.31	23.43	37.74
2000T-31	386046.34	6098399.00	20.75	24.47	45.22
2000T-33	387468.13	6097904.00	11.28	24.47	35.75
2000T-34	387794.94	6101729.00	9.20	29.00	38.20
2000T-35-1 Analytical Duplicate	386267.97	6101746.50	23.73	26.54	50.27
2000T-35-2 Analytical Duplicate	386267.97	6101746.50	14.26	24.71	38.96
2000T-35-3 Analytical Duplicate	386267.97	6101746.50	12.90	27.83	40.72
2000T-36	385510.63	6100612.00	15.10	27.45	42.55
2000T-37	394285.81	6088654.00	16.24	22.88	39.12
2000T-38	394987.06	6089686.50	19.80	24.47	44.27
2000T-39	394829.91	6093366.00	16.01	24.47	40.49
2000T-40	396930.69	6095529.50	12.38	20.85	33.23
2000T-41	397175.34	6096765.50	16.54	11.78	28.33
2000T-42	392622.44	6095510.50	18.81	25.38	44.19
2000T-43	399444.06	6096834.00	15.03	25.38	40.41
2000T-44	396369.22	6096019.00	16.88	26.29	43.17
2000T-45	395159.84	6097386.00	15.82	29.00	44.83
2000T-46	396015.28	6097819.50	14.80	30.82	45.62
2000T-47	396755.06	6098921.50	10.37	23.57	33.94
2000T-48	395938.59	6099589.00	15.82	29.00	44.83
2000T-49	396828.66	6100814.00	18.02	21.75	39.77
2000T-50-1 Analytical Duplicate	394790.84	6100997.50	11.10	26.03	37.13
2000T-50-2 Analytical Duplicate	394790.84	6100997.50	12.58	24.24	36.82
2000T-51	393755.47	6100100.50	7.40	24.69	32.09

Sample Site	UTM Easting	UTM Northing	% Calcite	% Dolomite	Total Carbonate
2000T-52	400768.63	6096955.50	16.05	19.75	35.80
2000T-53-1 Analytical Duplicate	399544.66	6095816.50	18.37	20.20	38.57
2000T-53-2 Analytical Duplicate	399544.66	6095816.50	19.66	22.89	42.56
2000T-54	402068.50	6097093.50	16.37	23.34	39.70
2000T-55	390952.91	6099942.50	21.63	20.65	42.28
2000T-56	397265.06	6103193.00	16.85	22.89	39.74
2000T-57	395006.56	6102457.50	18.73	22.89	41.62
2000T-58	395716.94	6102027.50	15.78	26.03	41.82
2000T-60	395773.38	6101007.00	11.10	26.03	37.13
2000T-61-1 Analytical Duplicate	392900.03	6100991.00	13.37	27.83	41.19
2000T-61-2 Analytical Duplicate	392900.03	6100991.00	15.28	26.93	42.21
2000T-62	389885.03	6101959.00	14.40	25.58	39.98
2000T-64	392280.47	6100523.00	12.92	27.38	40.29
2000T-65	393553.56	6099419.00	14.90	24.69	39.59
2000T-66	394714.06	6096812.00	23.88	22.89	46.77
2000T-67	397742.78	6100050.50	19.55	25.58	45.14
2000T-68	399084.13	6101491.00	20.53	24.69	45.21
2000T-69-1 Analytical Duplicate	398290.31	6099503.50	16.82	23.79	40.60
2000T-69-2 Analytical Duplicate	398290.31	6099503.50	21.95	24.24	46.19
2000T-71	399944.16	6103230.00	18.28	22.44	40.72
2000T-72	402259.69	6104161.50	10.44	19.30	29.74
2000T-73	402783.03	6105930.50	13.05	24.24	37.28
2000T-74	404843.22	6106167.00	16.74	25.58	42.32
2000T-75	404345.91	6107971.00	16.29	25.13	41.42
2000T-76-1 Analytical Duplicate	405489.13	6108952.50	11.70	22.89	34.59
2000T-76-2 Analytical Duplicate	405489.13	6108952.50	14.62	20.20	34.82
2000T-77-1 Analytical Duplicate	407618.00	6108196.00	4.59	2.24	6.84
2000T-77-2 Analytical Duplicate	407618.00	6108196.00	4.63	1.35	5.98
2000T-78	409199.56	6108708.50	0.94	0.00	0.94
2000T-79	408686.88	6110003.50	17.75	23.79	41.54
2000T-80	409780.19	6109958.00	1.39	0.45	1.84
2000T-81	410936.50	6109974.50	8.42	11.67	20.09
2000T-82	410200.44	6108716.00	5.57	1.35	6.91
2000T-83-1 Analytical Duplicate	408701.53	6106066.50	15.50	21.54	37.05
2000T-83-2 Analytical Duplicate	408701.53	6106066.50	15.43	23.34	38.77
2000T-84	393512.25	6096425.00	17.86	21.10	38.96
2000T-85	402062.69	6103060.50	15.82	25.13	40.96
2000T-86	405613.66	6106052.00	6.79	5.83	12.62
2000T-87	406394.53	6105961.00	6.02	13.02	19.03
2000T-88	406650.31	6108446.50	13.98	24.24	38.22
2000T-89	408752.84	6106602.00	0.70	0.00	0.70
2000T-90	391117.84	6091481.50	14.92	24.24	39.16
2000T-91	390579.66	6092302.50	20.06	24.69	44.74
2000T-93	389781.91	6092662.00	23.24	21.32	44.56
2000T-94	389081.13	6092532.00	11.57	26.03	37.60
2000T-96-1 Analytical Duplicate	386122.09	6093126.50	16.68	26.93	43.61
2000T-96-2 Analytical Duplicate	386122.09	6093126.50	18.09	26.93	45.02
2000T-97	385659.50	6094922.00	8.17	28.73	36.90
2000T-98	390172.91	6093525.00	8.74	26.48	35.22
2000T-99	391068.38	6094189.00	8.96	21.10	30.06
2000T-100	390771.78	6095004.00	19.66	22.89	42.56
2000T-101	393612.16	6097352.00	7.95	22.89	30.84
2000T-102-1 Analytical Duplicate	392650.41	6096653.00	19.61	24.24	43.85
2000T-102-2 Analytical Duplicate	392650.41	6096653.00	17.38	25.83	43.21

Sample Site	UTM Easting	UTM Northing	% Calcite	% Dolomite	Total Carbonate
2000T-104	390131.41	6099288.50	16.51	24.02	40.52
2000T-106	388754.06	6100689.00	12.93	30.36	43.29
2000T-107	388936.94	6101455.50	17.39	25.38	42.77
2000T-108	385521.41	6099638.00	15.94	26.29	42.22
2000T-109	386132.81	6096368.00	13.12	25.83	38.95
2000T-110	386549.38	6095571.00	10.88	22.66	33.54
2000T-112	392762.47	6099792.50	18.78	14.96	33.73
2000T-113	392921.88	6098805.00	18.85	24.47	43.32
2000T-114	392777.34	6097588.00	18.11	19.49	37.60
2000T-115-1 Analytical Duplicate	391675.25	6095251.50	13.63	24.93	38.55
2000T-115-2 Analytical Duplicate	391675.25	6095251.50	13.95	25.13	39.08
2000T-116	389621.63	6095117.50	15.98	25.38	41.35
2000T-117	390853.22	6096177.00	19.78	24.93	44.71
2000T-118	391438.41	6097052.00	15.96	25.83	41.79
2000T-119-1 Analytical Duplicate	387047.13	6096397.00	15.84	28.55	44.39
2000T-119-2 Analytical Duplicate	387047.13	6096397.00	17.68	25.58	43.26
2000T-120	388195.31	6096944.00	12.09	27.64	39.74
2000T-121	388949.72	6097695.50	17.02	23.11	40.13
2000T-122	390079.06	6098127.00	13.46	29.00	42.46
2000T-124	391713.34	6098945.50	16.88	26.29	43.17
2000T-125-1 Analytical Duplicate	388349.84	6102123.50	15.96	25.83	41.79
2000T-125-2 Analytical Duplicate	388349.84	6102123.50	15.75	26.93	42.68
2000T-126	389293.28	6102642.00	17.87	25.38	43.25
2000T-127	390127.16	6103821.50	11.62	27.64	39.27
2000T-128	390869.06	6103009.00	15.92	26.74	42.66
2000T-129	391955.44	6103866.00	14.50	26.74	41.24
2000T-130-1 Analytical Duplicate	392870.50	6104868.50	9.26	27.64	36.90
2000T-130-2 Analytical Duplicate	392870.50	6104868.50	10.64	28.55	39.19
2000T-131	393909.19	6105750.00	17.89	24.93	42.81
2000T-132	394643.75	6105112.00	7.44	25.83	33.27
2000T-133	395632.94	6104304.50	15.50	25.38	40.88
2000T-134	395953.06	6103406.50	11.66	26.74	38.40
2000T-135	398475.94	6100648.50	26.39	30.17	56.56
2000T-136	397807.00	6101720.00	17.92	24.02	41.94
2000T-137-1 Analytical Duplicate	398893.06	6102443.50	16.98	24.02	41.00
2000T-137-2 Analytical Duplicate	398893.06	6102443.50	13.12	25.83	38.95
2000T-137-3 Analytical Duplicate	398893.06	6102443.50	18.16	25.13	43.30
2000T-138	400332.28	6102223.50	12.68	24.93	37.61
2000T-139	401013.91	6102969.00	9.18	29.46	38.64
2000T-140	396582.16	6102405.00	12.66	25.38	38.04
2000T-142	398461.16	6104054.50	16.41	26.29	42.70
2000T-143	398945.84	6104816.50	15.01	25.83	40.84
2000T-146-1 Analytical Duplicate	401035.00	6105142.00	17.87	25.38	43.25
2000T-146-2 Analytical Duplicate	401035.00	6105142.00	19.18	23.34	42.52
2000T-148	400836.19	6104312.50	0.46	0.23	0.69
2000T-149-1 Analytical Duplicate	402139.66	6105434.00	17.21	25.55	42.76
2000T-149-2 Analytical Duplicate	402139.66	6105434.00	14.49	23.26	37.75
2000T-151	402635.81	6106941.00	3.10	26.78	29.88
2000T-152	403285.63	6107605.00	1.85	0.47	2.33
2000T-153	403857.41	6108381.00	18.16	25.13	43.30
2000T-154	405007.19	6108764.00	12.60	23.79	36.39
2000T-155	405182.97	6109662.50	11.10	26.03	37.13
2000T-157	402663.81	6108717.50	16.68	26.93	43.61
2000T-159	401165.03	6107954.50	15.24	27.83	43.07

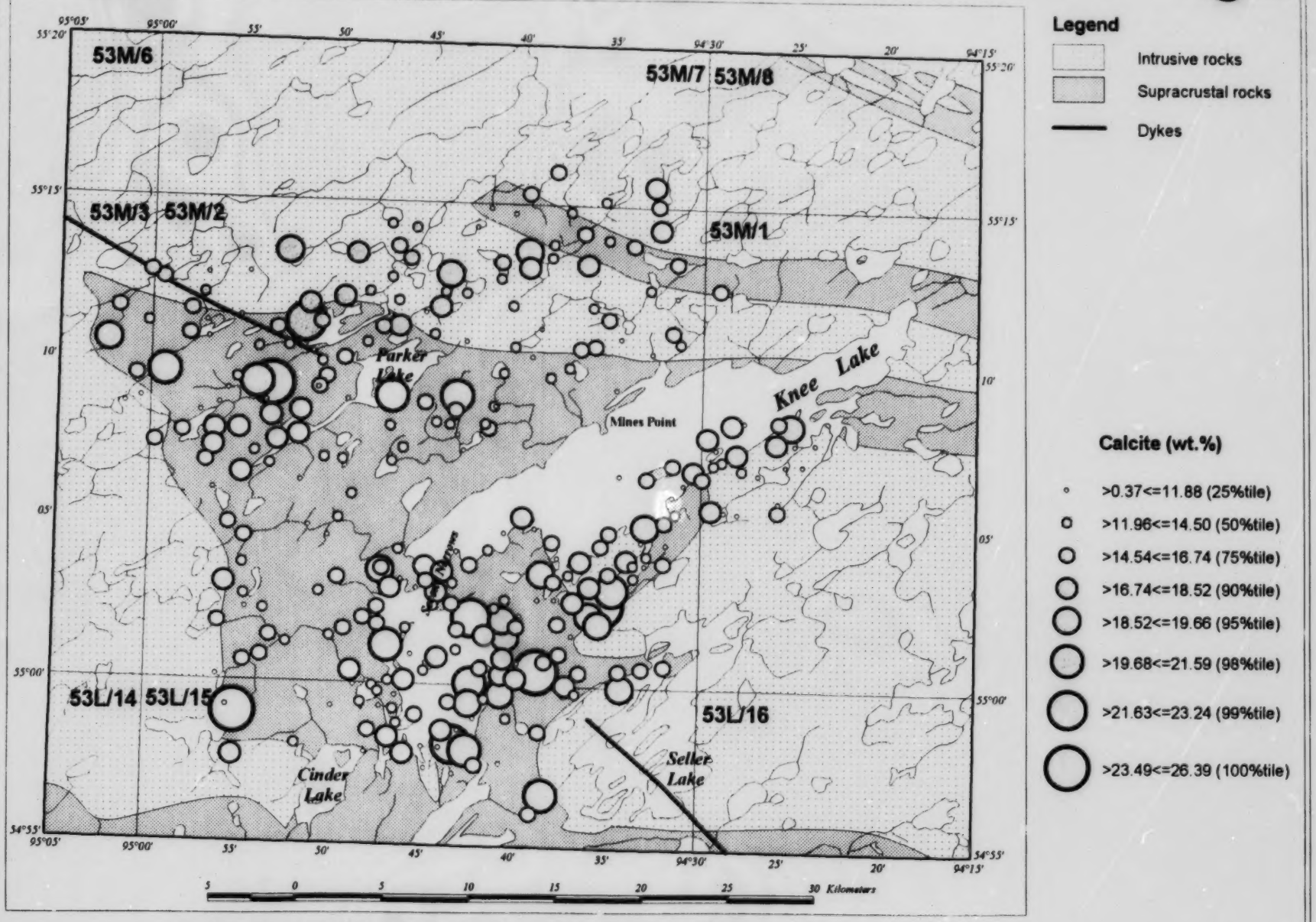
Sample Site	UTM Easting	UTM Northing	% Calcite	% Dolomite	Total Carbonate
2000T-160	399579.41	6108137.00	9.67	26.48	36.15
2000T-161	409503.97	6110965.50	18.69	23.79	42.48
2000T-162-1 Analytical Duplicate	408825.19	6111203.00	15.80	25.58	41.39
2000T-162-2 Analytical Duplicate	408825.19	6111203.00	14.16	24.15	38.30
2000T-165	406840.56	6111248.50	0.37	2.24	2.62
2000T-166	406114.34	6111079.00	17.00	23.57	40.56
2000T-167	404689.56	6110332.00	18.49	21.75	40.25
2000T-169	406356.91	6109394.50	17.75	23.74	41.49
2000T-170-1 Analytical Duplicate	401106.94	6103466.00	12.98	29.00	41.99
2000T-170-2 Analytical Duplicate	401106.94	6103466.00	13.86	27.33	41.19
2000T-171-1 Analytical Duplicate	400308.25	6102973.00	12.54	25.05	37.60
2000T-171-2 Analytical Duplicate	400308.25	6102973.00	14.42	25.07	39.49
2000T-173	385214.00	6096092.00	12.56	24.60	37.16
2000T-174	384167.44	6096184.50	7.21	18.20	25.41
2000T-175	388265.75	6102950.00	18.52	27.83	46.35
2000T-177	386911.66	6102253.00	6.85	26.81	33.66
2000T-178	383961.50	6096975.00	17.60	27.38	44.98
2000T-179-1 Analytical Duplicate	382763.03	6098971.50	13.46	25.58	39.04
2000T-179-2 Analytical Duplicate	382763.03	6098971.50	15.20	28.73	43.93
2000T-180-1 Analytical Duplicate	383572.19	6099390.00	17.73	24.24	41.97
2000T-180-2 Analytical Duplicate	383572.19	6099390.00	12.10	29.49	41.58
2000T-182	385706.34	6102721.00	18.61	25.58	44.20
2000T-201	376329.06	6099848.50	16.38	22.89	39.27
2000T-202	377827.09	6101405.50	11.96	27.83	39.79
2000T-203	377759.09	6103205.50	13.91	26.03	39.94
2000T-204	379288.84	6099045.50	15.43	23.34	38.77
2000T-205	377938.81	6100685.00	10.69	24.69	35.37
2000T-206	376715.94	6102116.00	16.74	25.58	42.32
2000T-207-1 Analytical Duplicate	383212.94	6102354.00	15.75	26.93	42.68
2000T-207-2 Analytical Duplicate	383212.94	6102354.00	14.06	26.41	40.47
2000T-209	377791.78	6097599.50	15.41	23.79	39.20
2000T-210	378771.63	6097898.50	14.79	27.38	42.17
2000T-211	386750.13	6103960.50	13.46	25.58	39.04
2000T-212	383294.22	6105784.50	12.99	25.58	38.57
2000T-213	381556.81	6105384.50	10.65	25.58	36.23
2000T-215	377864.75	6104760.00	15.41	23.79	39.20
2000T-216	383573.22	6109146.50	12.95	26.48	39.43
2000T-217	390236.81	6110548.50	6.37	26.93	33.30
2000T-218-1 Analytical Duplicate	389764.00	6111144.00	12.52	25.58	38.11
2000T-218-2 Analytical Duplicate	389764.00	6111144.00	15.30	26.48	41.78
2000T-219	390098.19	6111950.00	15.37	24.69	40.06
2000T-220	381027.66	6110614.00	17.45	26.67	44.12
2000T-221	377695.31	6108412.50	18.51	23.56	42.07
2000T-222	379349.53	6108925.00	14.31	24.00	38.31
2000T-223-1 Analytical Duplicate	381125.06	6107999.50	11.38	27.56	38.94
2000T-223-2 Analytical Duplicate	381125.06	6107999.50	9.93	26.41	36.33
2000T-224	379795.09	6110312.00	17.95	25.78	43.73
2000T-225	379465.34	6111668.50	17.12	23.56	40.67
2000T-226	385778.38	6102867.50	16.00	28.00	44.00
2000T-227	389816.63	6100772.00	14.76	24.45	39.20
2000T-228	386397.94	6109043.50	13.60	26.41	40.01
2000T-229	384070.59	6107122.50	12.83	22.89	35.72
2000T-230	383904.16	6112613.50	5.16	25.09	30.24

Sample Site	UTM Easting	UTM Northing	% Calcite	% Dolomite	Total Carbonate
2000T-231-1 Analytical Duplicate	382258.53	6113338.50	15.00	25.97	40.97
2000T-231-2 Analytical Duplicate	382258.53	6113338.50	14.96	26.85	41.81
2000T-232-1 Analytical Duplicate	390562.03	6109659.00	8.47	28.17	36.64
2000T-232-2 Analytical Duplicate	390562.03	6109659.00	6.64	28.17	34.80
2000T-233	392016.75	6110904.50	15.46	25.97	41.43
2000T-234	392301.84	6112182.50	13.55	27.73	41.27
2000T-235	386428.03	6112778.00	20.11	24.65	44.76
2000T-236	381154.03	6111993.00	18.35	22.89	41.23
2000T-237	379199.69	6112599.50	11.64	29.49	41.12
2000T-238	386874.16	6116827.00	17.41	23.33	40.73
2000T-239-1 Analytical Duplicate	386481.22	6119657.00	13.66	25.09	38.74
2000T-239-2 Analytical Duplicate	386481.22	6119657.00	12.11	24.14	36.26
2000T-240	385161.59	6118841.50	13.60	26.41	40.01
2000T-241-1 Analytical Duplicate	382370.50	6117084.50	15.97	24.65	40.62
2000T-241-2 Analytical Duplicate	382370.50	6117084.50	16.43	24.65	41.08
2000T-242	381725.97	6118149.50	18.22	25.97	44.18
2000T-243	383723.41	6118533.50	17.44	22.45	39.89
2000T-244	389263.66	6117914.50	17.30	25.97	43.26
2000T-245	390752.63	6118711.00	13.11	27.29	40.39
2000T-246	389829.19	6119804.50	18.79	23.30	42.09
2000T-247	387542.09	6120739.50	15.06	24.60	39.66
2000T-248	387894.78	6122519.00	13.20	25.03	38.23
2000T-249	386461.28	6122755.00	13.71	23.77	37.48
2000T-250-1 Analytical Duplicate	392449.16	6112208.50	9.87	27.73	37.60
2000T-250-2 Analytical Duplicate	392449.16	6112208.50	8.51	27.29	35.80
2000T-251	391802.69	6111173.00	13.99	28.17	42.16
2000T-252	390174.03	6112731.00	20.26	21.13	41.38
2000T-253-1 Analytical Duplicate	395615.16	6113826.50	14.56	25.53	40.09
2000T-253-2 Analytical Duplicate	395615.16	6113826.50	12.97	26.03	39.00
2000T-254	396711.59	6114399.00	14.08	25.97	40.05
2000T-255	398099.66	6117886.50	12.61	28.17	40.78
2000T-256	403018.75	6120422.00	14.54	25.97	40.51
2000T-257	403015.22	6118430.00	0.62	1.54	2.17
2000T-258	401426.78	6118891.00	13.66	25.09	38.74
2000T-259	394433.78	6120179.50	16.86	25.53	42.38
2000T-260	392810.16	6120480.50	15.04	25.09	40.12
2000T-261	395856.13	6121526.00	14.12	25.09	39.20
2000T-262	382201.84	6113313.00	11.25	27.73	38.98
2000T-263	382691.75	6113932.00	15.96	25.09	41.04
2000T-264	380485.66	6115711.50	14.06	26.41	40.47
2000T-265-1 Analytical Duplicate	379871.44	6116760.00	14.69	22.45	37.13
2000T-265-2 Analytical Duplicate	379871.44	6116760.00	16.97	22.89	39.85
2000T-266-1 Analytical Duplicate	381433.31	6117001.50	22.08	21.57	43.64
2000T-266-2 Analytical Duplicate	381433.31	6117001.50	22.70	23.11	45.82
2000T-267	375915.06	6116255.00	11.76	26.41	38.17
2000T-268	378764.00	6115647.00	12.30	24.65	36.94
2000T-269	375817.69	6117177.00	9.32	23.79	33.10
2000T-270	375674.28	6118785.50	12.63	22.89	35.53
2000T-271	372623.97	6120092.00	14.96	23.34	38.30
2000T-272-1 Analytical Duplicate	381917.66	6115401.50	11.96	27.83	39.79
2000T-272-2 Analytical Duplicate	381917.66	6115401.50	11.06	26.93	37.99
2000T-273	379539.09	6113473.00	23.49	21.10	44.58
2000T-274	378643.41	6113610.00	19.68	22.44	42.12
2000T-275	376090.72	6109961.00	16.80	24.24	41.03

Sample Site	UTM Easting	UTM Northing	% Calcite	% Dolomite	Total Carbonate
2000T-276	376198.66	6110938.00	17.28	23.79	41.07
2000T-277	376521.69	6112449.50	11.08	26.48	37.56
2000T-278	375920.22	6119958.50	8.93	30.62	39.55
2000T-279	380540.75	6121179.00	19.63	23.79	43.42
2000T-280	377783.25	6117499.50	11.23	22.89	34.12
2000T-281-1 Analytical Duplicate	375405.56	6111977.50	13.03	24.69	37.71
2000T-281-2 Analytical Duplicate	375405.56	6111977.50	8.77	25.58	34.36
2000T-282	374344.63	6110827.50	16.23	26.48	42.72
2000T-283	372750.41	6110253.50	15.22	24.39	39.61
2000T-284	371076.44	6112518.50	11.88	26.60	38.49
2000T-285	373327.72	6114288.50	21.59	27.59	49.18
2000T-286	371991.28	6112810.50	11.42	26.60	38.02
2000T-287-1 Analytical Duplicate	377537.22	6113875.00	13.78	25.72	39.50
2000T-287-2 Analytical Duplicate	377537.22	6113875.00	11.53	26.93	38.46
2000T-288	377012.94	6113260.00	5.31	28.34	33.65
2000T-289	377610.78	6110969.00	17.02	25.75	42.78
2000T-290	382417.03	6114793.00	13.83	24.38	38.21
2000T-291	383696.41	6115010.50	15.17	25.74	40.90
2000T-292	385936.47	6116781.00	16.12	25.30	41.41
2000T-293	385024.91	6115886.00	12.87	25.27	38.13
2000T-294	388431.34	6117653.00	8.21	27.83	36.04
2000T-295-1 Analytical Duplicate	390772.88	6115942.50	10.22	24.69	34.90
2000T-295-2 Analytical Duplicate	390772.88	6115942.50	10.65	25.58	36.23
2000T-296	388906.22	6116341.50	13.42	26.48	39.90
2000T-297	392777.22	6119550.50	13.70	27.56	41.26
2000T-298	386844.25	6118304.50	14.28	24.89	39.17
2000T-299-1 Analytical Duplicate	389554.72	6118795.50	12.57	21.33	33.90
2000T-299-2 Analytical Duplicate	389554.72	6118795.50	15.79	25.99	41.77
2000T-300	397789.06	6120371.50	17.17	22.22	39.40
2000T-301	397379.28	6115475.50	15.28	23.11	38.39
2000T-302	398199.97	6115605.50	15.67	24.89	40.56
2000T-303	399031.28	6117196.50	15.08	24.15	39.23
2000T-304	399059.47	6121780.00	13.73	23.25	36.99
2000T-305	394394.06	6121113.00	18.75	22.44	41.19
2000T-306	395742.28	6120763.00	14.14	24.59	38.73
2000T-307-1 Analytical Duplicate	401533.19	6115214.50	10.52	23.22	33.74
2000T-307-2 Analytical Duplicate	401533.19	6115214.50	11.59	25.58	37.17
2000T-309	391428.59	6122577.50	8.33	20.53	28.87
2000T-310-1 Analytical Duplicate	386862.44	6121457.50	14.27	28.73	42.99
2000T-310-2 Analytical Duplicate	386862.44	6121457.50	15.37	24.69	40.06
2000T-311	398860.28	6124033.50	14.36	26.48	40.84
2000T-312	401764.13	6124868.00	18.20	24.24	42.44
2000T-313	401949.66	6123755.50	15.37	24.69	40.06
2000T-315	394579.59	6115052.50	9.80	23.34	33.14
2000T-316	393563.53	6115607.50	14.40	25.58	39.98
2000T-317	395119.63	6116693.00	11.00	28.28	39.28
2000T-319	392888.03	6114085.00	14.43	24.69	39.12
2000T-320	393461.94	6117975.00	13.95	25.13	39.08
2000T-324	405468.59	6118863.50	15.21	24.84	40.04
2000T-325	402728.47	6116397.00	15.26	23.49	38.75
2000T-326	403152.28	6115757.50	13.74	26.62	40.36
2000T-328-1 Analytical Duplicate	399453.69	6113119.50	12.64	25.83	38.48
2000T-328-2 Analytical Duplicate	399453.69	6113119.50	0.70	0.01	0.70

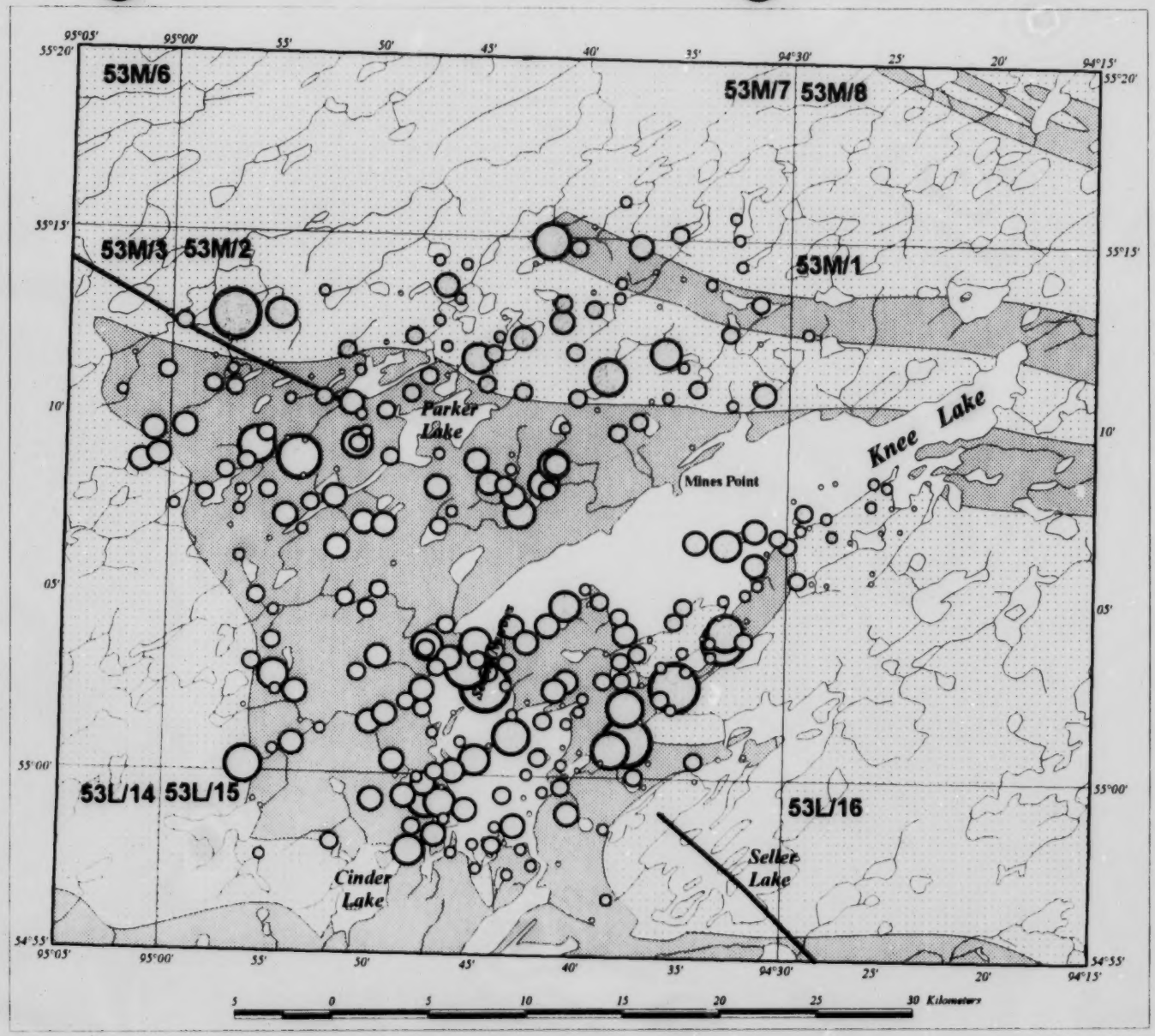
Sample Site	UTM Easting	UTM Northing	% Calcite	% Dolomite	Total Carbonate
2000T-329-1 Analytical Duplicate	399739.69	6116073.00	10.55	25.24	35.79
2000T-329-2 Analytical Duplicate	399739.69	6116073.00	8.67	25.67	34.35
2000T-330	400493.94	6121466.50	15.22	24.39	39.61
2000T-331	397631.47	6122161.50	15.36	21.25	36.60
2000T-333	388990.78	6111278.50	12.31	27.51	39.82
2000T-334	388337.50	6112415.00	14.65	27.08	41.73
2000T-335	387047.66	6109799.50	11.96	24.81	36.77
2000T-336	386319.13	6111064.50	13.70	27.52	41.22
2000T-337-1 Analytical Duplicate	382498.38	6109258.00	12.79	27.06	39.85
2000T-337-2 Analytical Duplicate	382498.38	6109258.00	12.11	27.19	39.31
2000T-339	384452.22	6121046.00	17.16	22.61	39.77
2000T-341	378317.00	6120022.00	7.19	27.91	35.09
2000T-343	374800.81	6116438.50	16.58	25.30	41.88
2000T-344	374923.78	6117839.50	15.78	22.15	37.93
2000T-345-1 Analytical Duplicate	373345.66	6119686.50	16.06	26.64	42.70
2000T-345-2 Analytical Duplicate	373345.66	6119686.50	15.17	25.78	40.95
2000T-346	370761.88	6118036.00	16.74	21.33	38.08
2000T-347	372443.16	6117141.00	14.26	25.34	39.59
2000T-348	370122.25	6116112.50	19.40	24.45	43.85
2000T-349	371728.59	6114122.50	16.48	27.56	44.04
2000T-350	402081.97	6122364.50	17.56	24.00	41.56
2000T-351	396866.97	6123412.50	12.79	27.11	39.90
2000T-352	394480.94	6124486.00	15.28	23.11	38.39
2000T-353-1 Analytical Duplicate	396067.84	6125747.00	16.11	25.34	41.45
2000T-353-2 Analytical Duplicate	396067.84	6125747.00	15.07	24.47	39.54
2000T-354	392236.41	6123705.50	8.08	28.89	36.97
2000T-355	393649.88	6123363.00	9.60	25.78	35.38
2000T-356	378960.09	6100575.00	12.79	27.11	39.90
2000T-357	382146.16	6101546.50	13.33	25.34	38.66
2000T-358	384700.47	6100007.50	16.09	25.78	41.87
2000T-361	376265.22	6096775.50	9.93	28.89	38.82
2000T-362	380254.41	6098643.00	14.29	24.45	38.74
2000T-364-1 Analytical Duplicate	382689.63	6104796.00	10.54	25.34	35.88
2000T-364-2 Analytical Duplicate	382689.63	6104796.00	10.24	26.74	36.98
2000T-365	376956.47	6105531.50	14.68	26.22	40.91
2000T-366	376100.69	6107566.50	11.49	24.89	36.38
2000T-367	378498.88	6109643.00	13.25	27.11	40.37
2000T-368	375676.59	6109114.50	15.29	19.03	34.33

Chittick Analysis, Percentile Bubble Plots (<63 Micron Size Fraction).



Carbonate in Till (<63 micron) 301 samples Chittick analysis

Appendix T-8-1



Legend

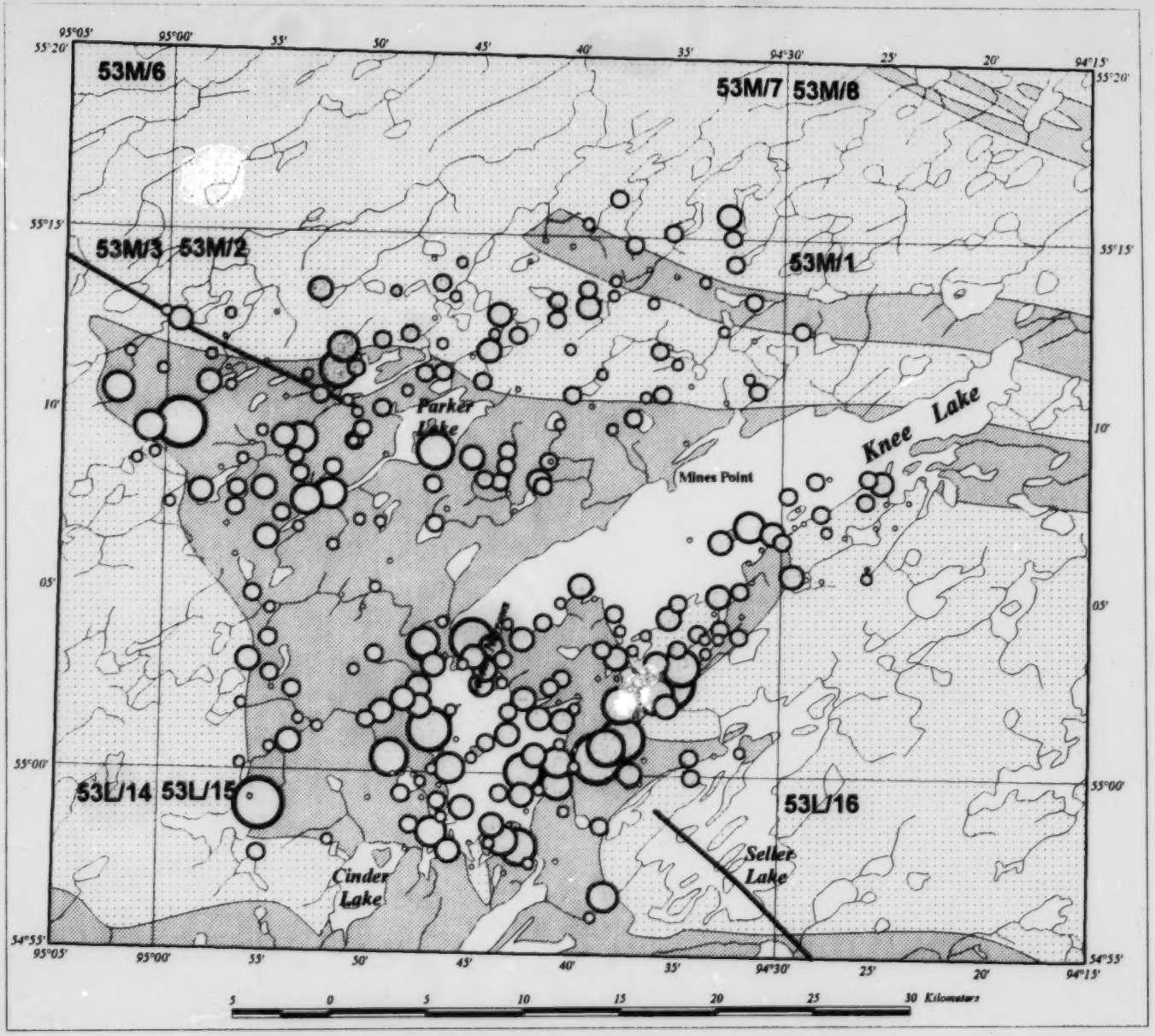
- Intrusive rocks
- Supracrustal rocks
- Dykes

Dolomite (wt.%)

- >0.00<=23.57 (25%tile)
- >23.66<=25.09 (50%tile)
- >25.09<=26.48 (75%tile)
- >26.48<=27.64 (90%tile)
- >27.64<=28.17 (95%tile)
- >28.17<=29.00 (98%tile)
- >29.00<=29.49 (99%tile)
- >30.17<=30.82 (100%tile)

Carbonate in Till (<63 micron) 301 samples Chittick analysis

Appendix T-8-2



Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

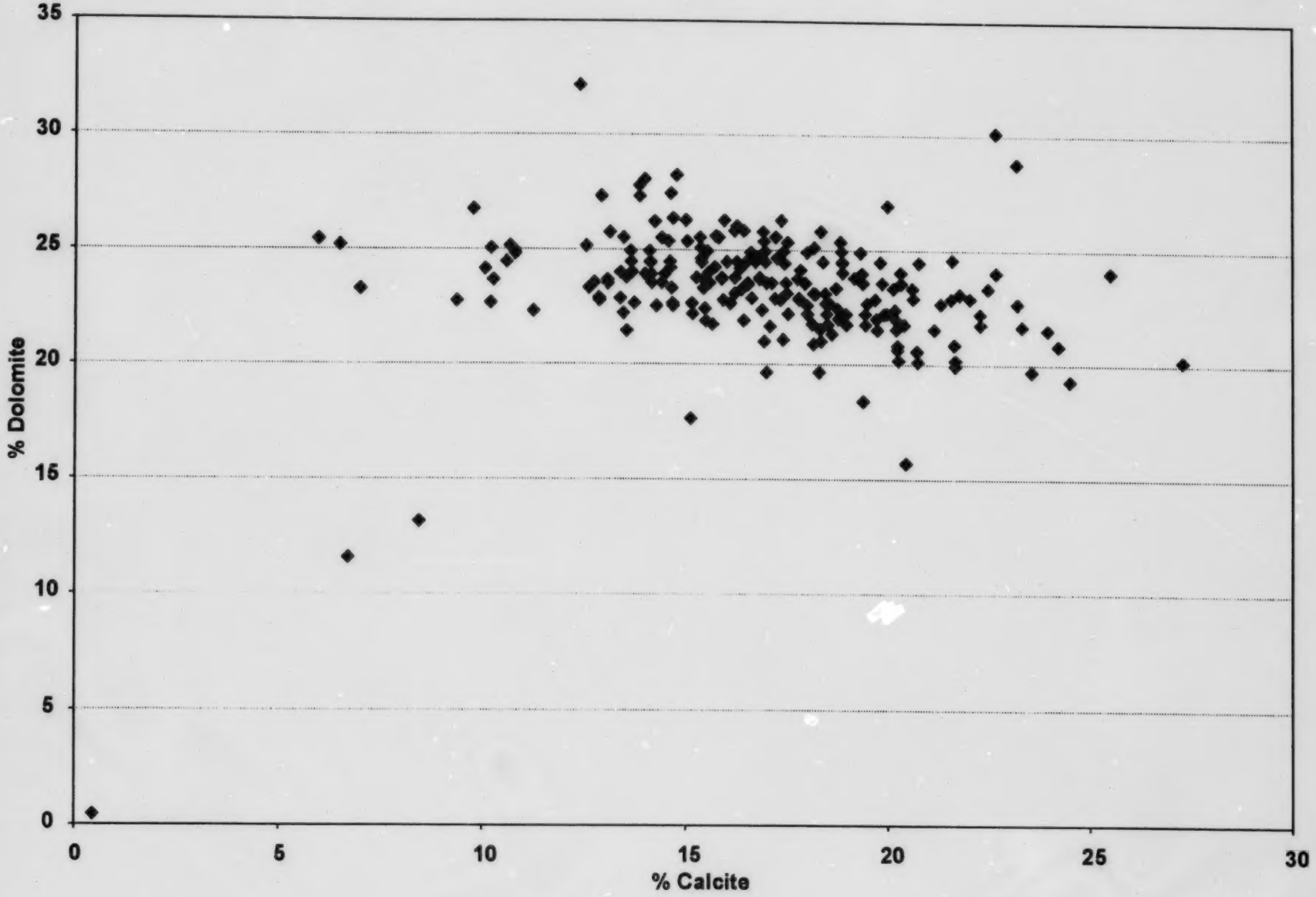
Total Carbonate (wt.%)

- >0.69<=37.50 (25%tile)
- >37.56<=39.77 (50%tile)
- >39.79<=41.70 (75%tile)
- >41.73<=43.42 (90%tile)
- >43.53<=44.58 (95%tile)
- >44.71<=45.21 (98%tile)
- >45.22<=46.35 (99%tile)
- >46.77<=56.56 (100%tile)

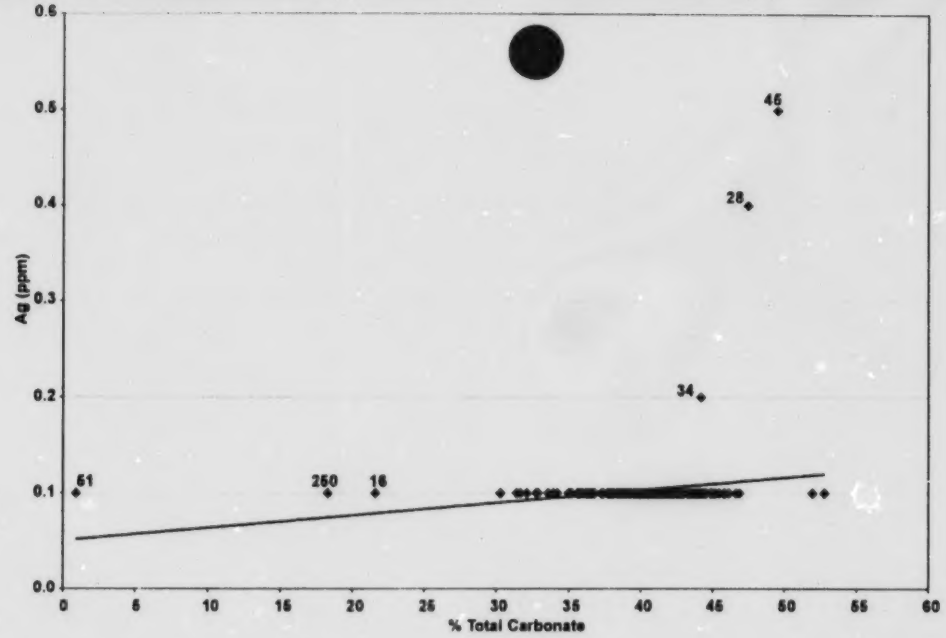
Carbonate in Till (<63 micron) 301 samples Chittick analysis

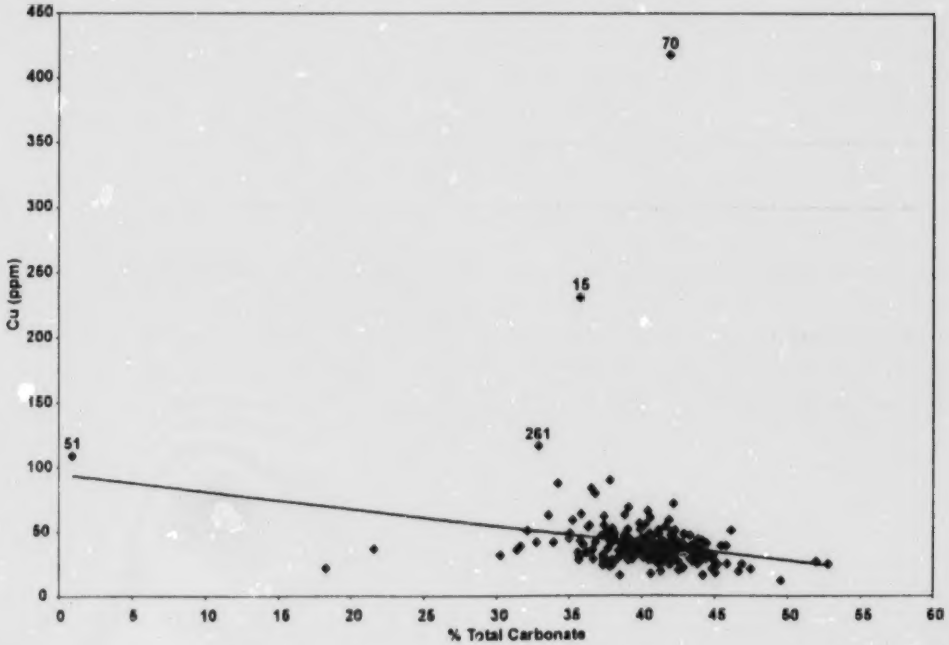
Appendix T-8-3

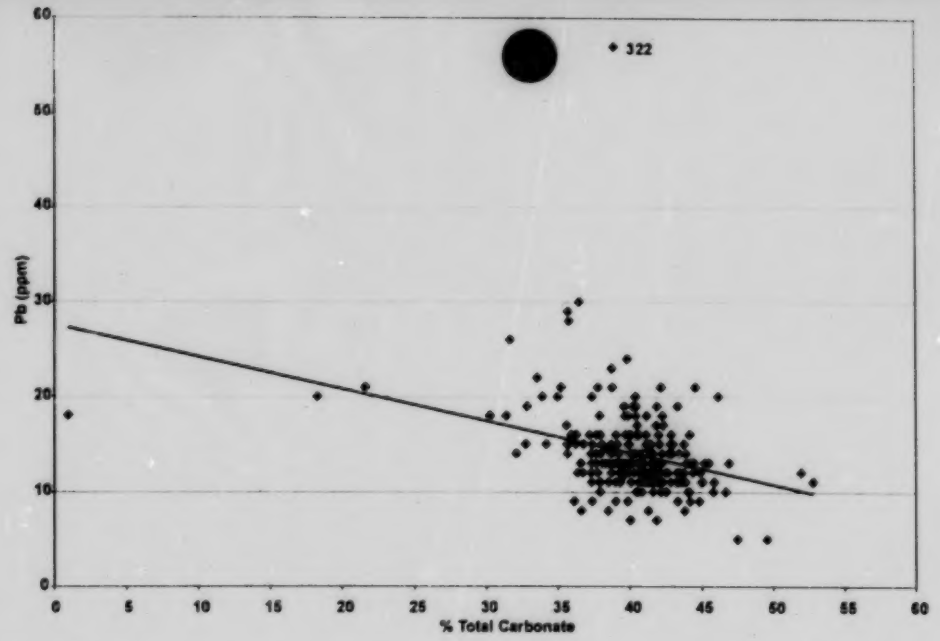
Plot Of Calcite Vs. Dolomite For The Till Samples.

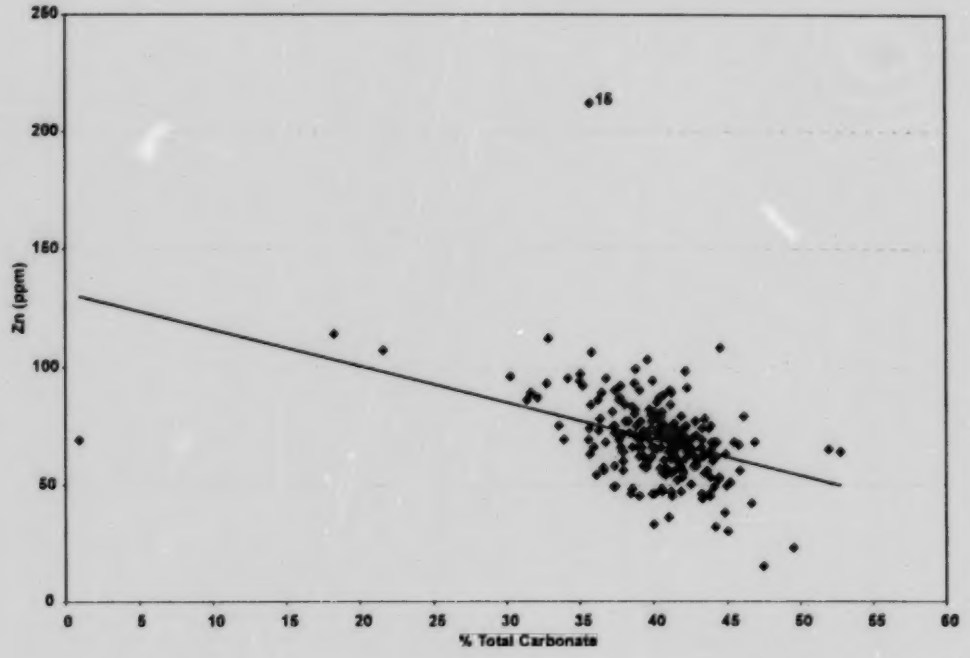


Appendix T-9-1

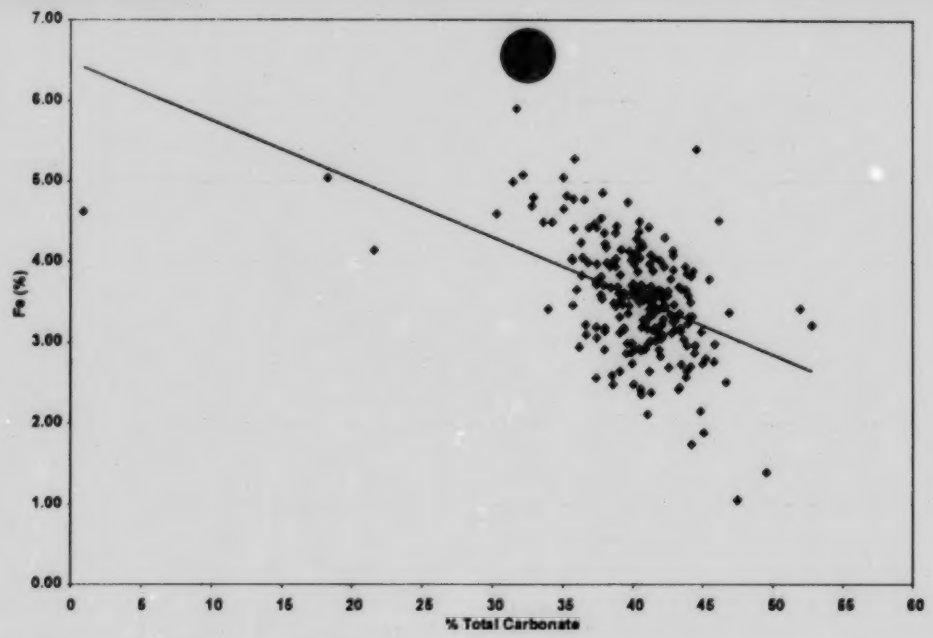

Ag (ppm)
0.6
0.5
0.4
0.3
0.2
0.1
0.0
46
28
34
51
250
16
0
5
10
15
20
25
30
35
40
45
50
55
60
% Total Carbonate

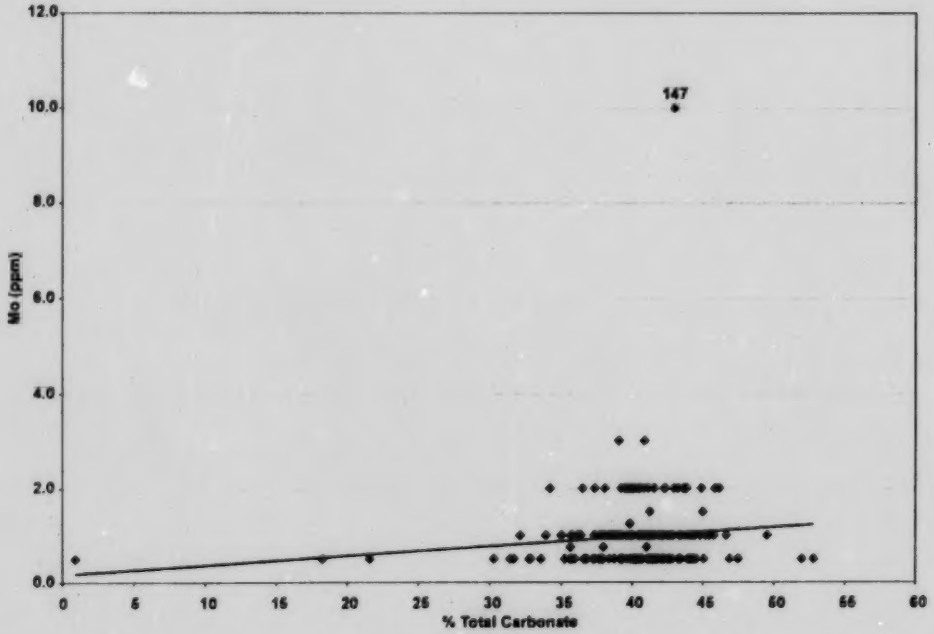

Cu (ppm)
450
400
350
300
250
200
150
100
50
0
70
15
261
51
0
5
10
15
20
25
30
35
40
45
50
55
60
% Total Carbonate

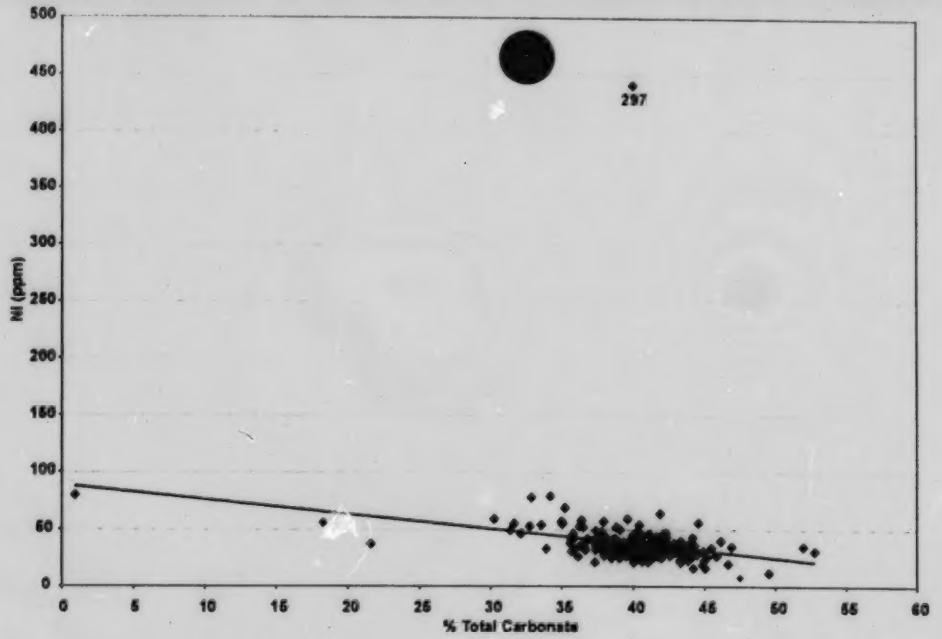


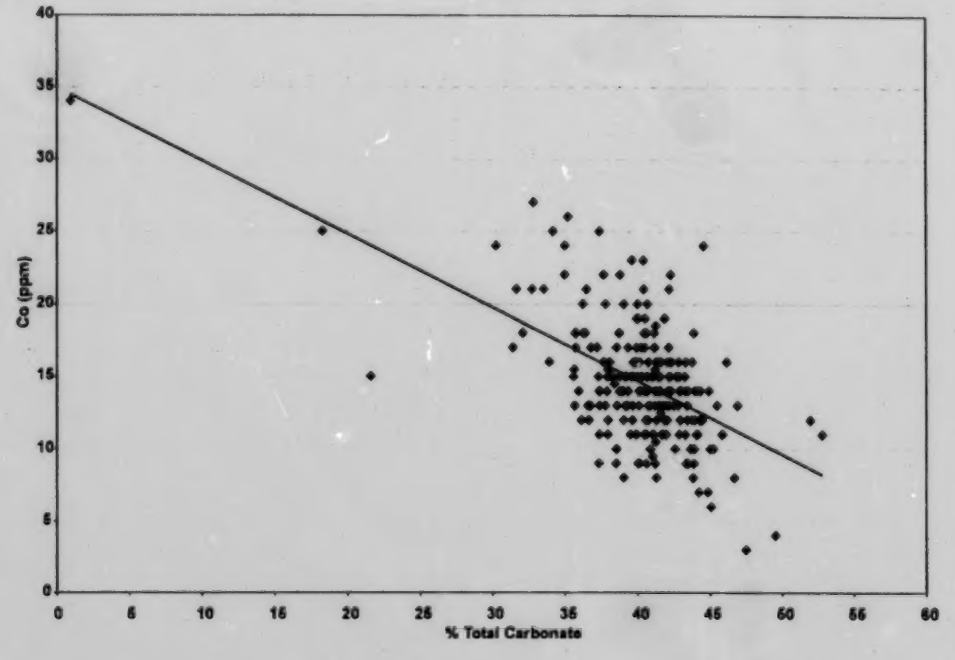


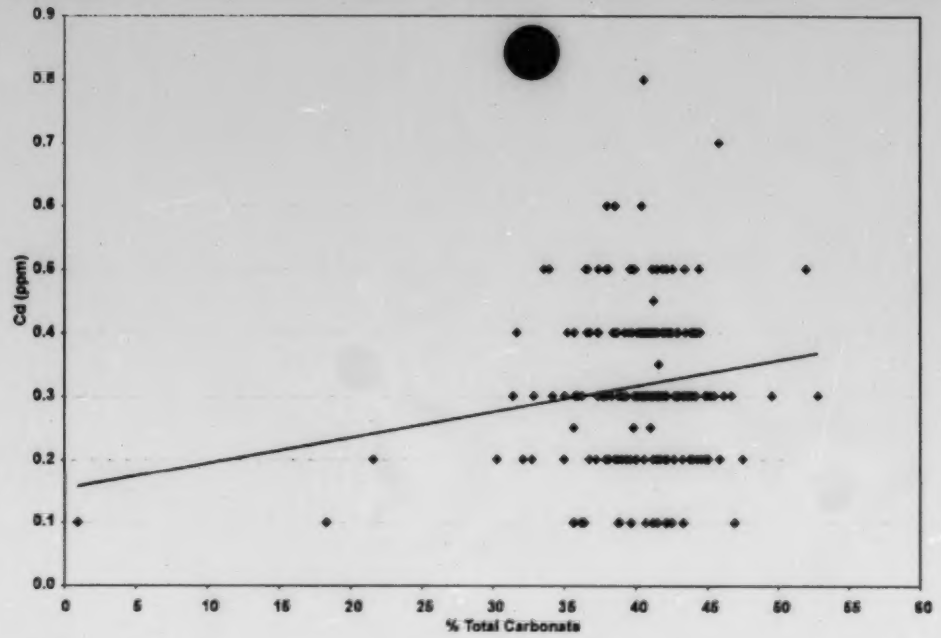
Appendix T-10-2

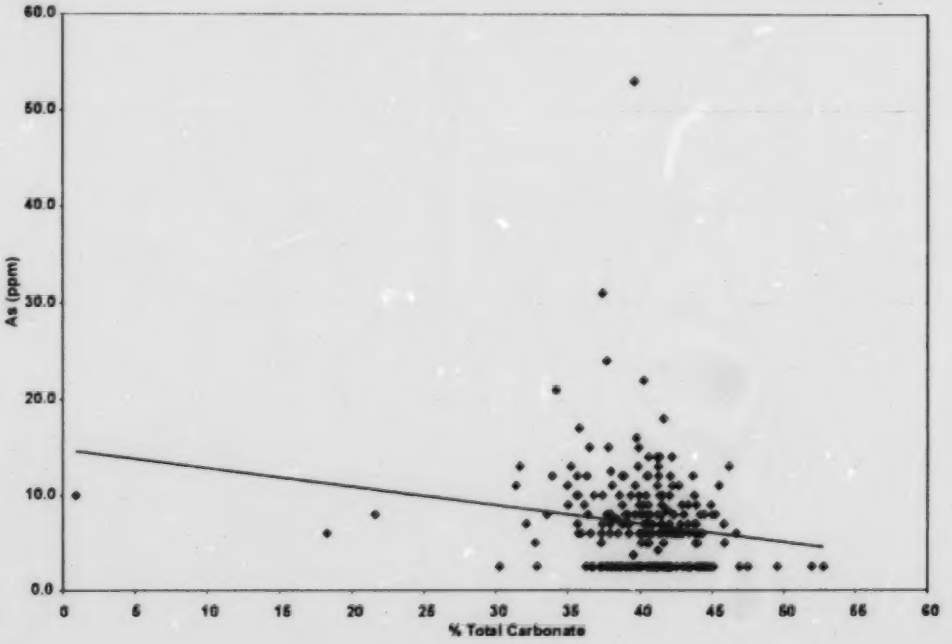

7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
Fe (%)
0
5
10
15
20
25
30
35
40
45
50
55
60
% Total Carbonate

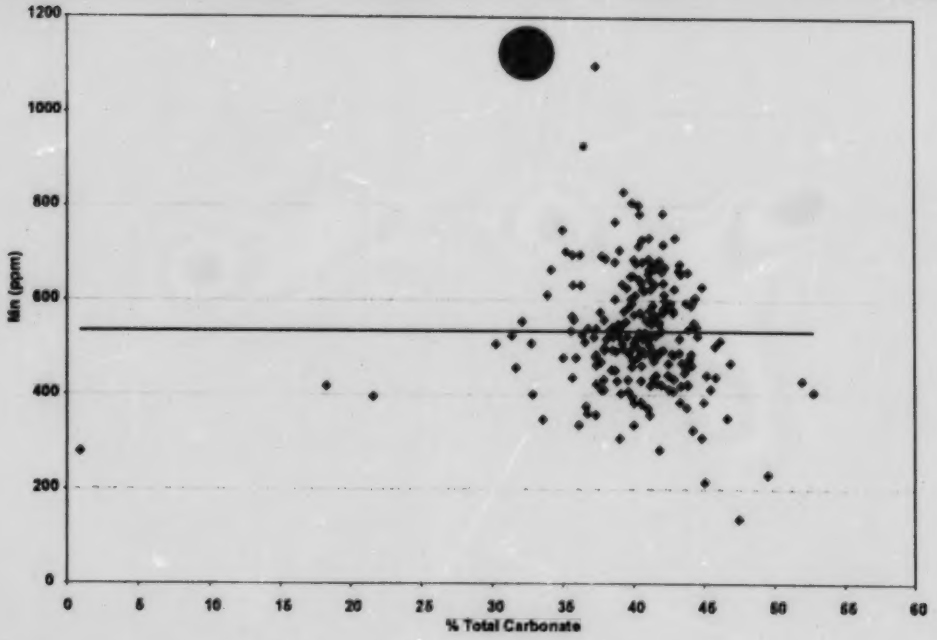

12.0
10.0
8.0
6.0
4.0
2.0
0.0
Mo (ppm)
147
0
5
10
15
20
25
30
35
40
45
50
55
60
% Total Carbonate

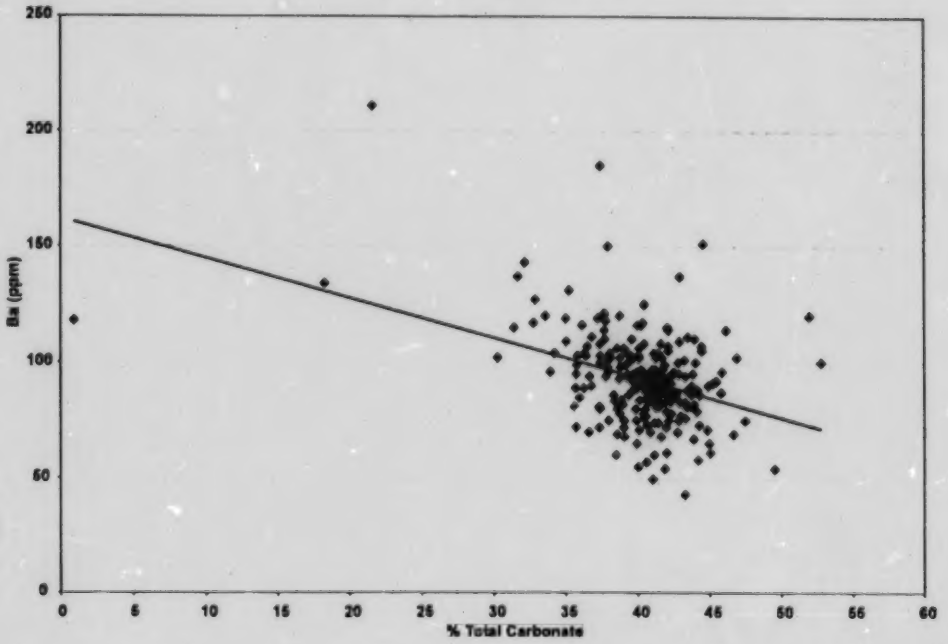

Ni (ppm)
% Total Carbonate
297

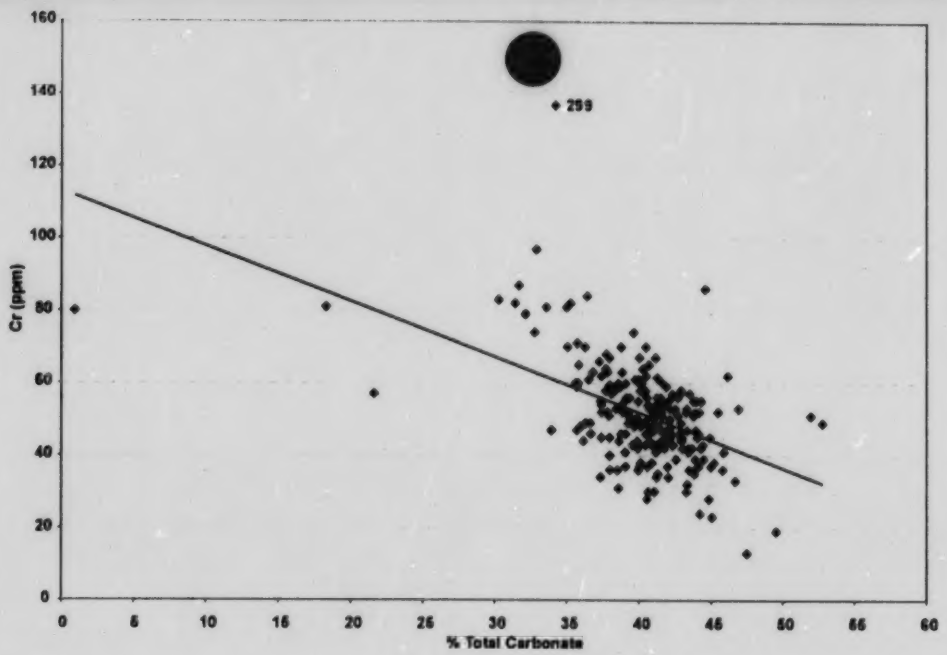

Co (ppm)
% Total Carbonate

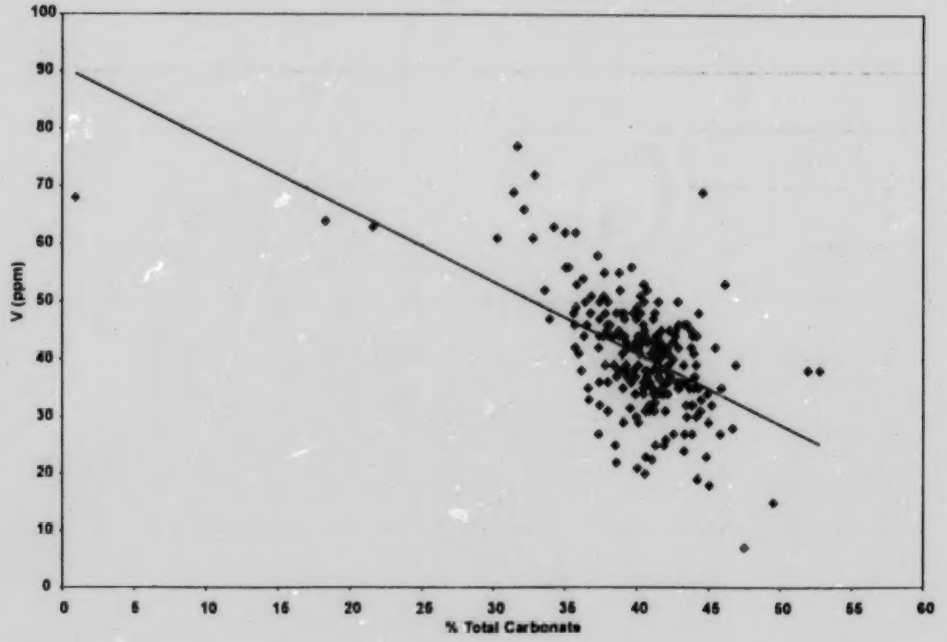

Cd (ppm)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
0
5
10
15
20
25
30
35
40
45
50
55
60
% Total Carbonate

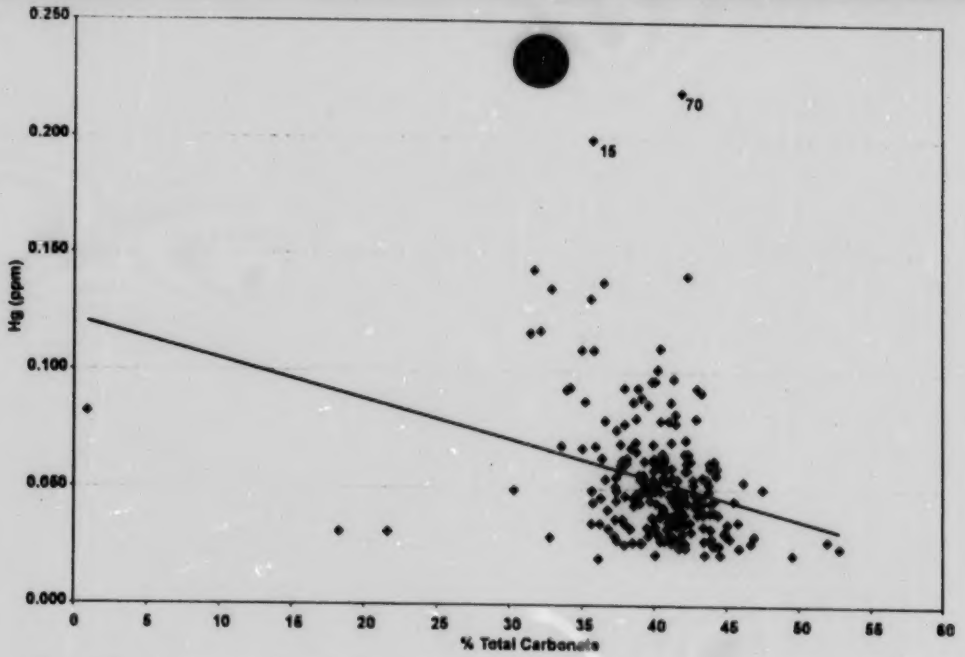

As (ppm)
0.0
10.0
20.0
30.0
40.0
50.0
60.0
0
5
10
15
20
25
30
35
40
45
50
55
60
% Total Carbonate

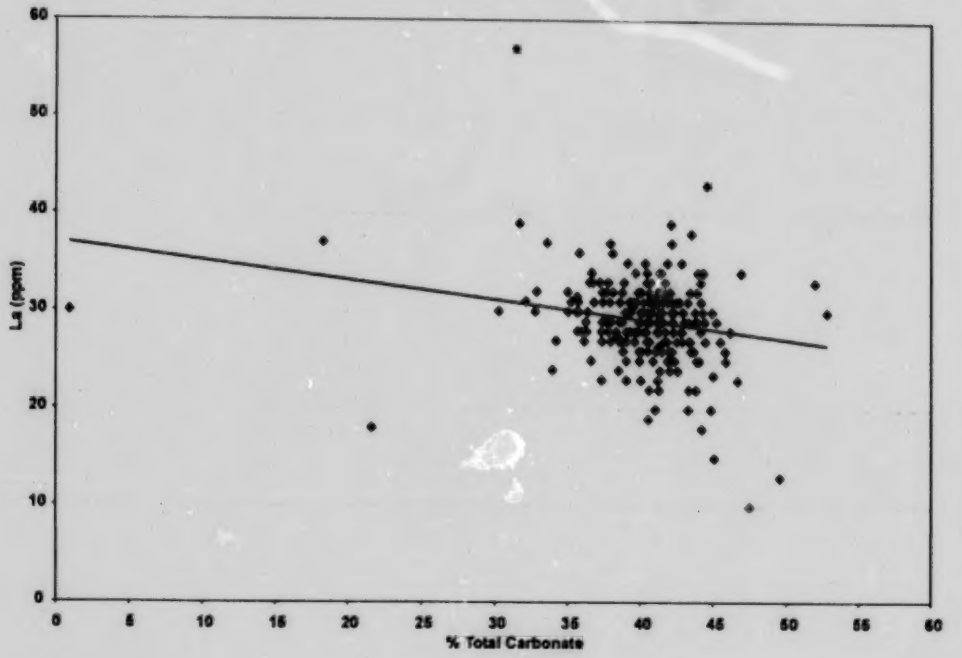

Mn (ppm)
1200
1000
800
600
400
200
0
0
5
10
15
20
25
30
35
40
45
50
55
60
% Total Carbonate

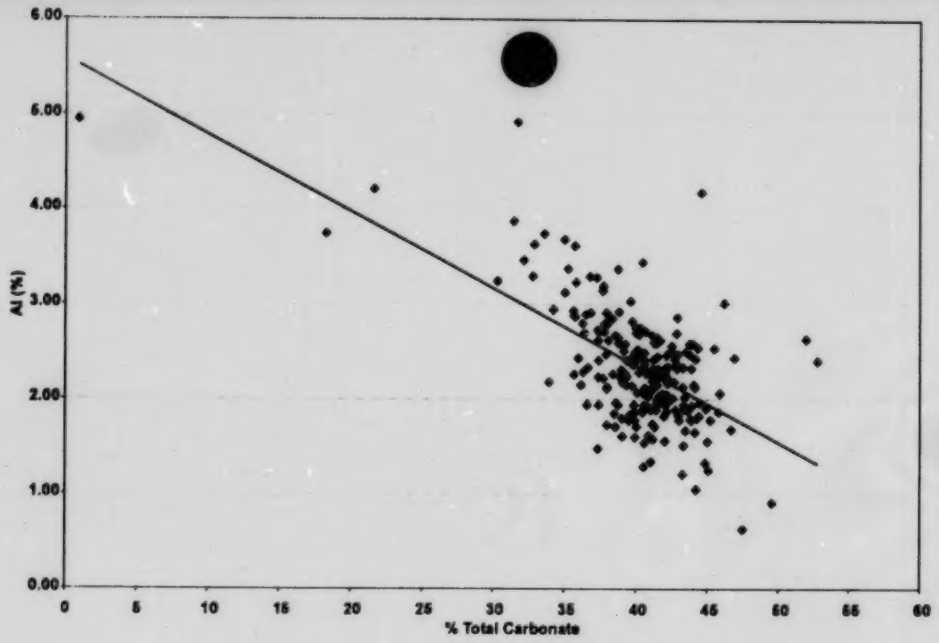

Ba (ppm)
250
200
150
100
50
0
0
5
10
15
20
25
30
35
40
45
50
55
60
% Total Carbonate

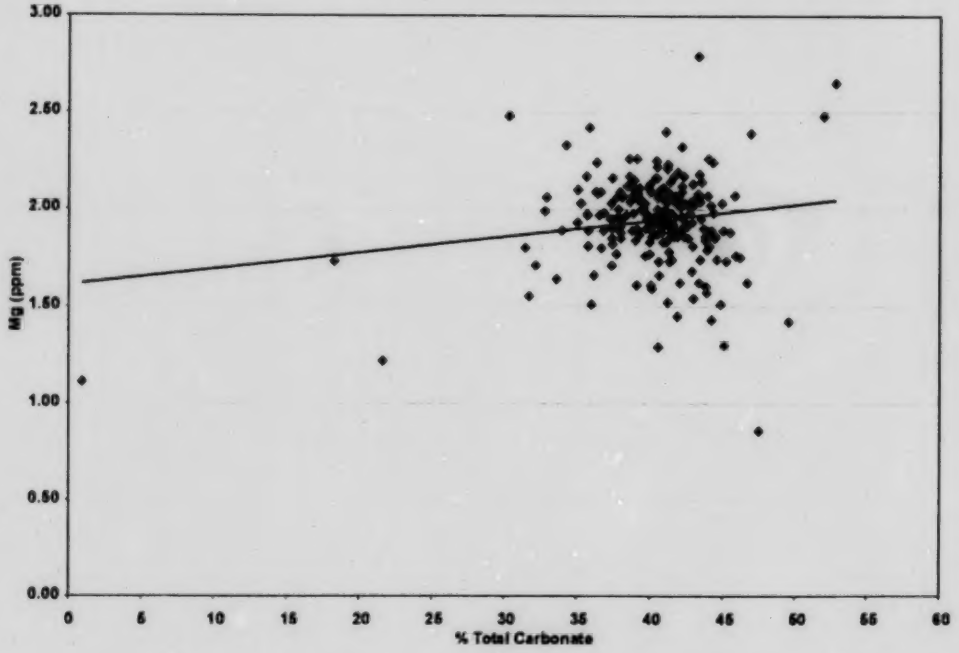

Cr (ppm)
% Total Carbonate
259

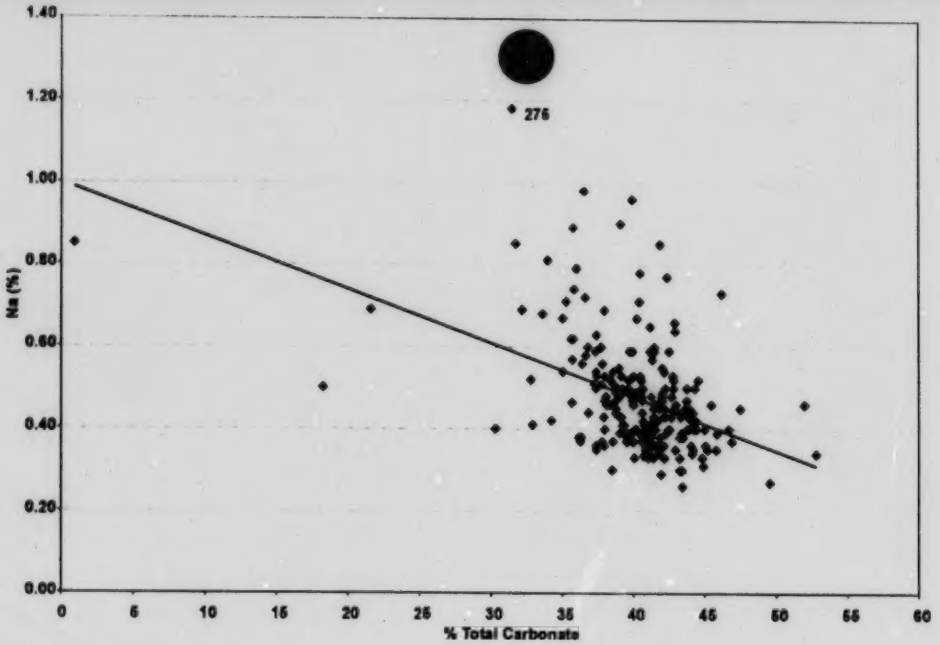

V (ppm)
% Total Carbonate

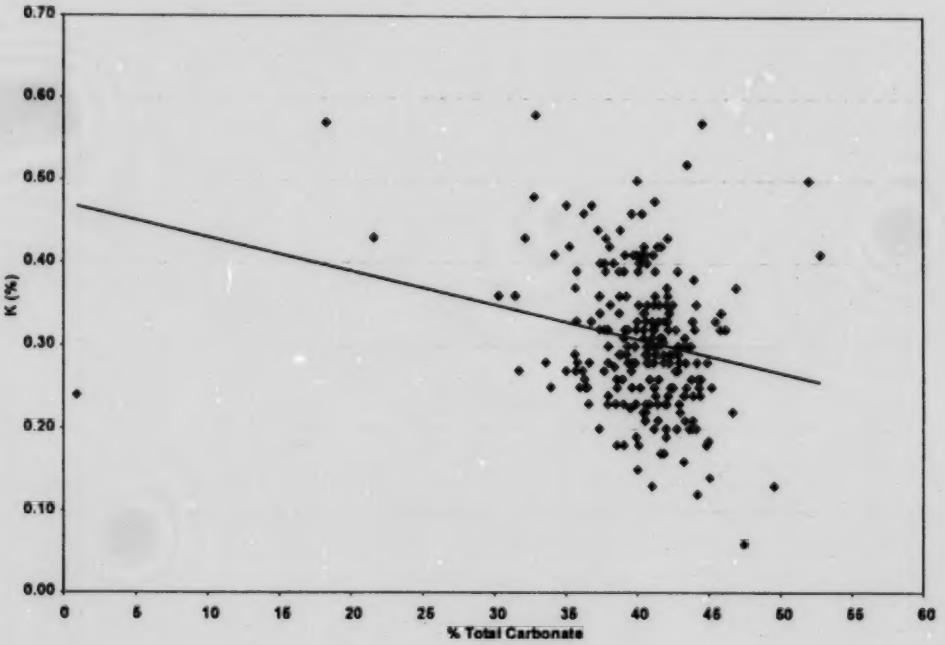

0.250
0.200
0.150
0.100
0.050
0.000
Hg (ppm)
70
15
0
5
10
15
20
25
30
35
40
45
50
55
60
% Total Carbonate


60
50
40
30
20
10
0
La (ppm)
0
5
10
15
20
25
30
35
40
45
50
55
60
% Total Carbonate

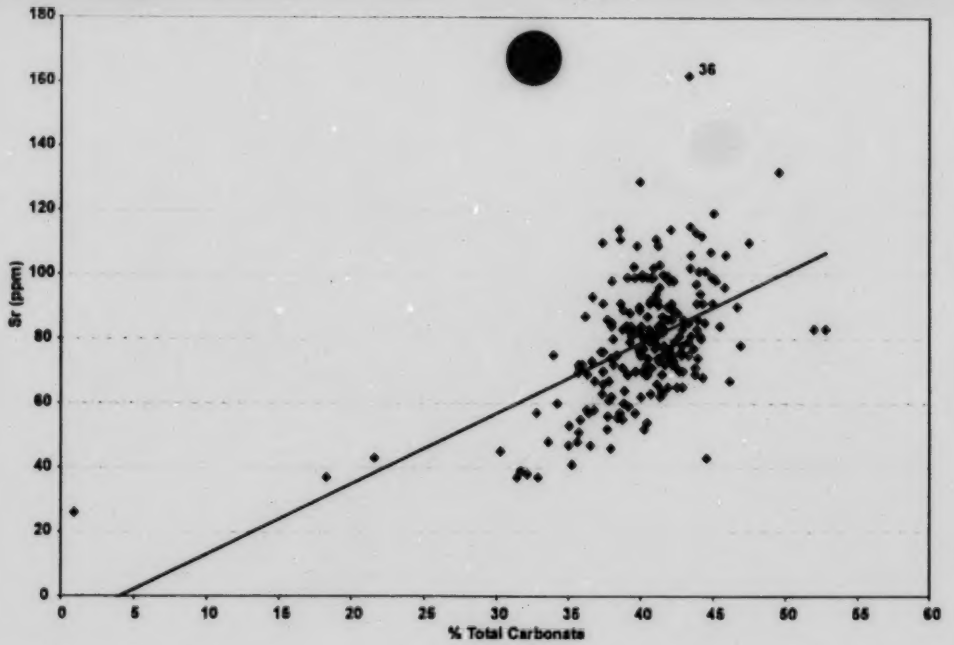

6.00
5.00
4.00
3.00
2.00
1.00
0.00
Al (%)
0
5
10
15
20
25
30
35
40
45
50
55
60
% Total Carbonate

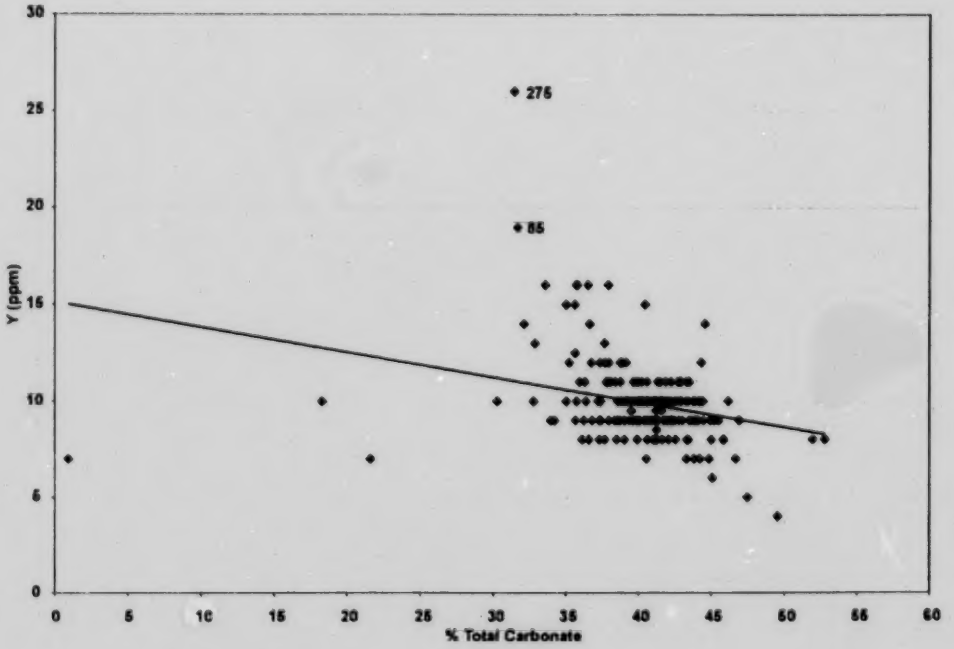

3.00
2.50
2.00
1.50
1.00
0.50
0.00
Mg (ppm)
0
5
10
15
20
25
30
35
40
45
50
55
60
% Total Carbonate

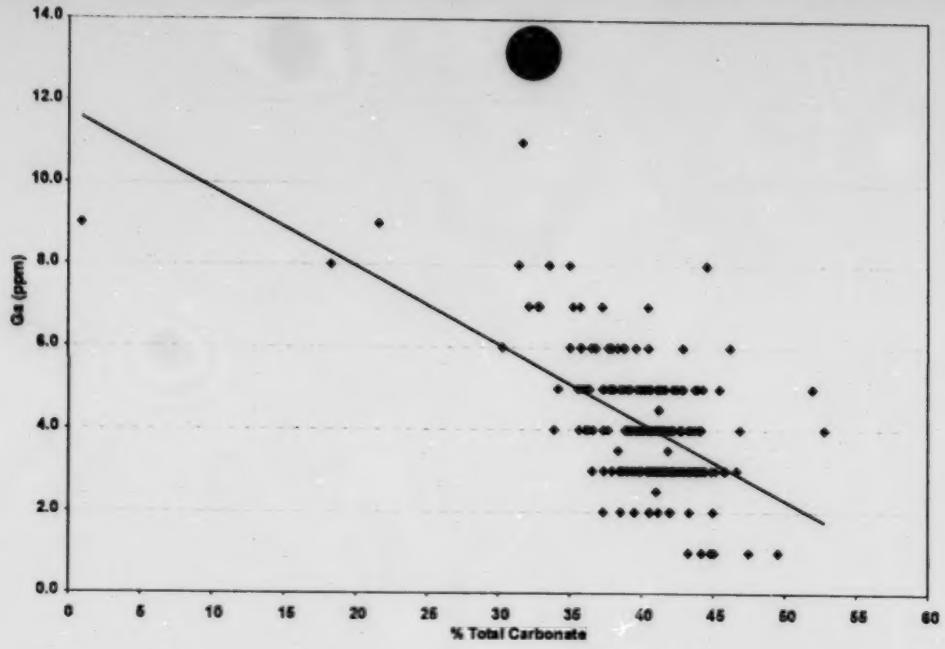


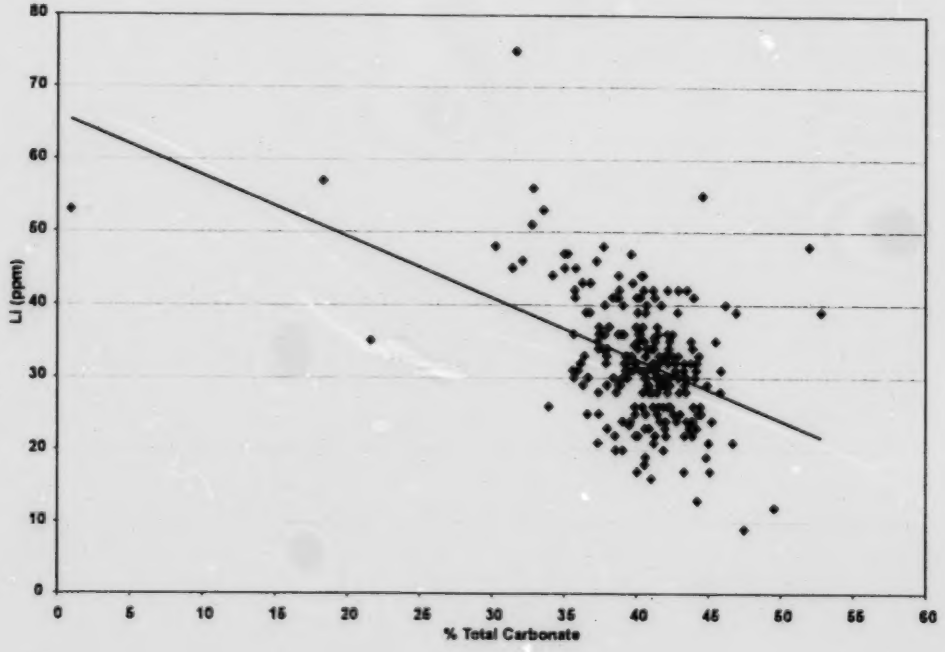


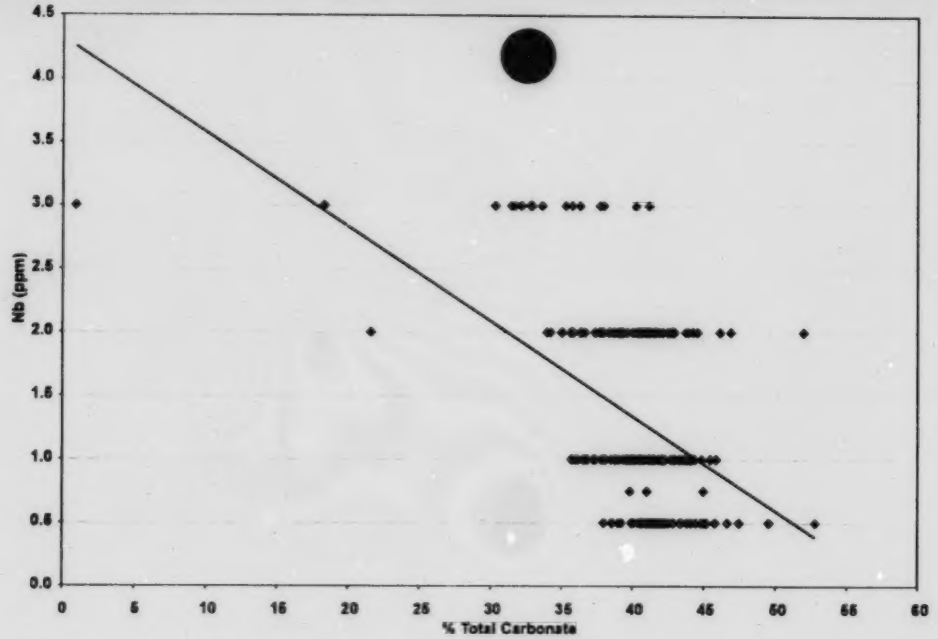
Appendix T-10-10

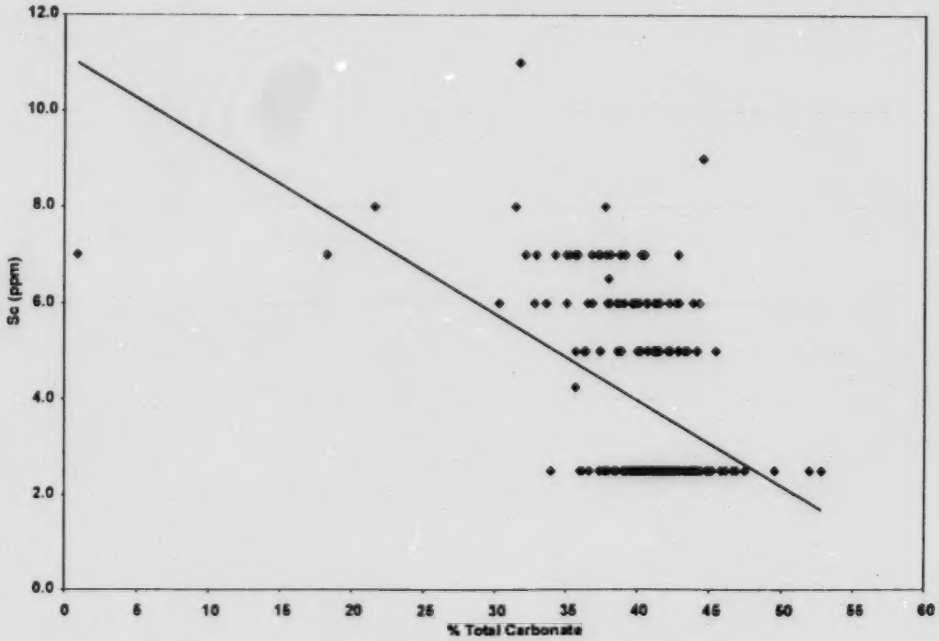

Sr (ppm)
% Total Carbonate
36

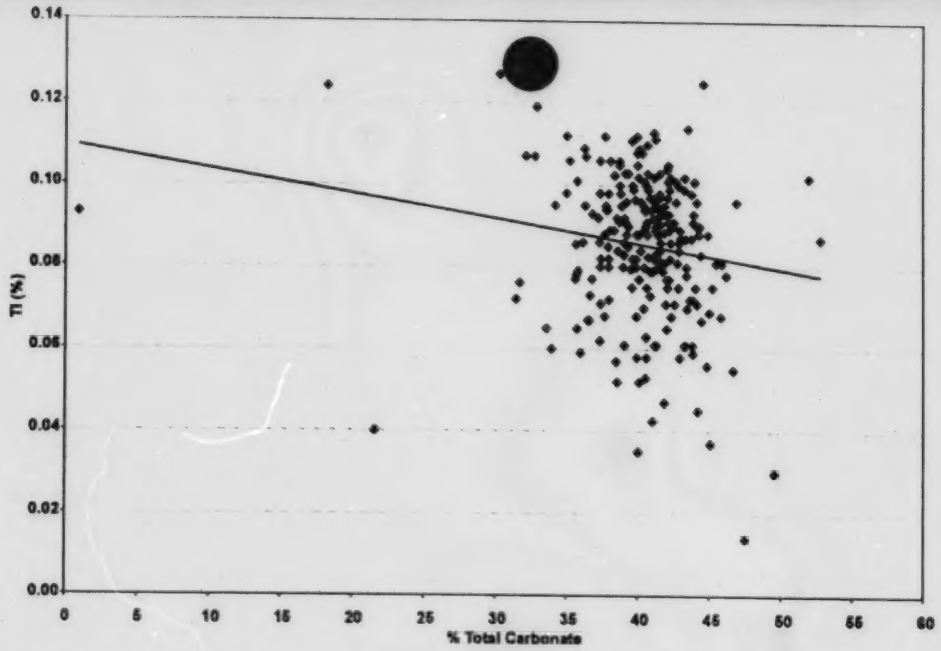

Y (ppm)
% Total Carbonate
275
85


14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Ga (ppm)
0
5
10
15
20
25
30
35
40
45
50
55
60
% Total Carbonate


80
70
60
50
40
30
20
10
0
Li (ppm)
0
5
10
15
20
25
30
35
40
45
50
55
60
% Total Carbonate


Nb (ppm)
% Total Carbonate


Sc (ppm)
% Total Carbonate


Ti (%)
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0.12
0.10
0.08
0.06
0.04
0.02
0.00
0
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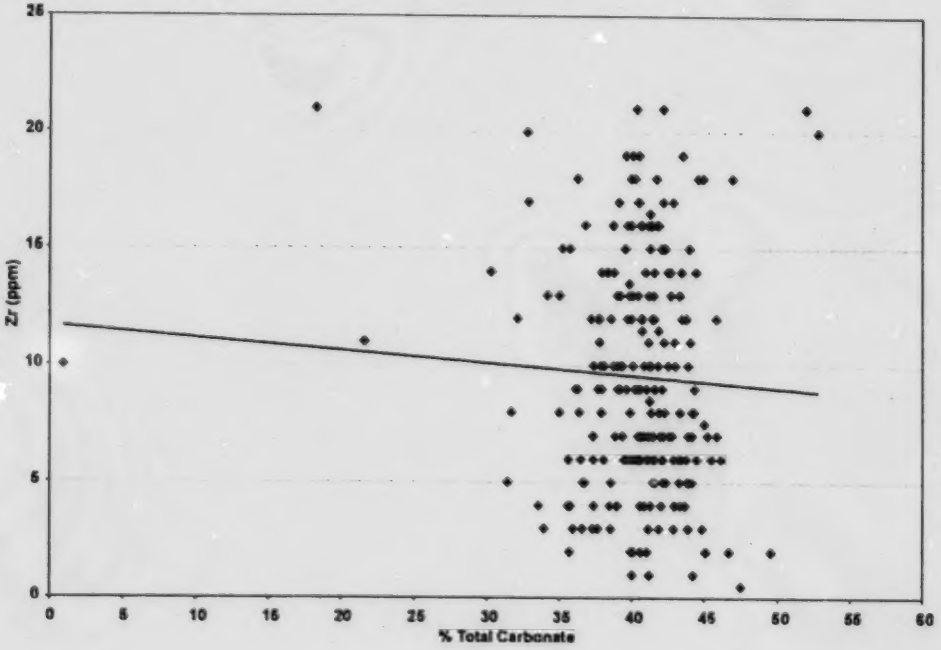
10
15
20
25
30
35
40
45
50
55
60
% Total Carbonate


Zr (ppm)
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10
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0
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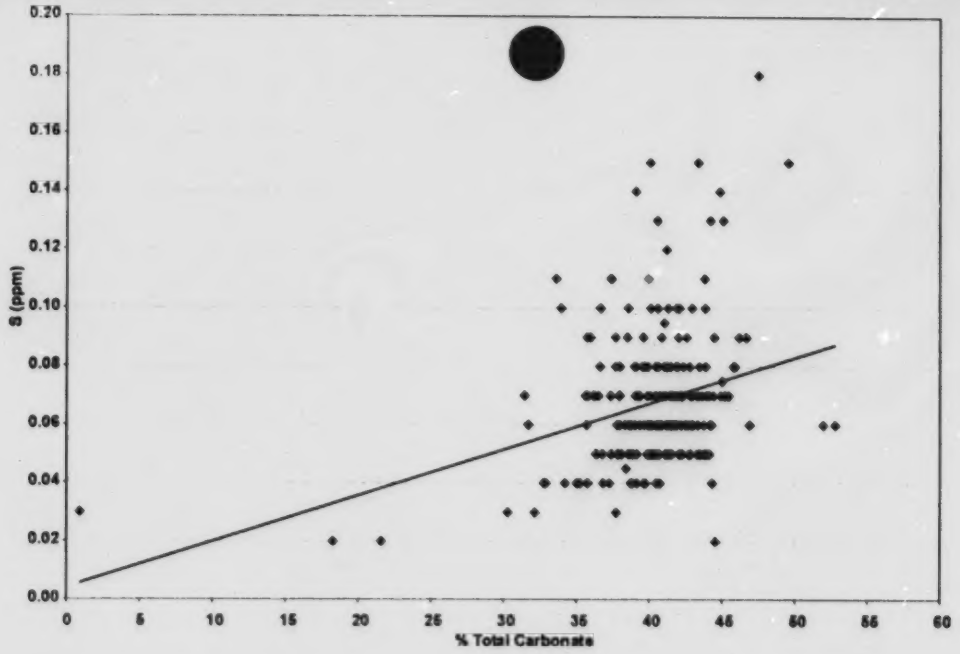
10
15
20
25
30
35
40
45
50
55
60
% Total Carbonate


S (ppm)
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0.18
0.16
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0.12
0.10
0.08
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0.04
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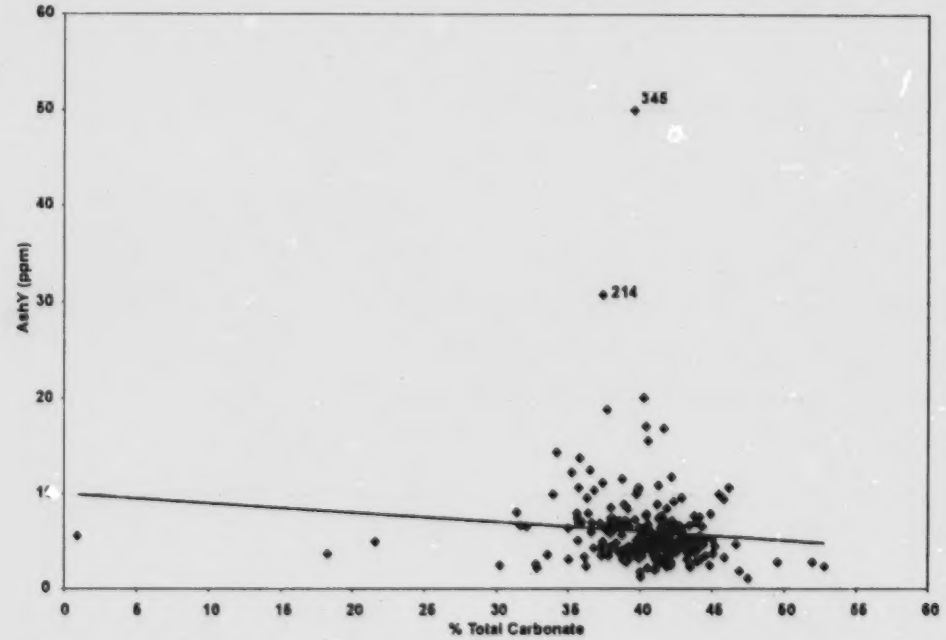
0.00
0
5
10
15
20
25
30
35
40
45
50
55
60
% Total Carbonate


AshY (ppm)
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40
30
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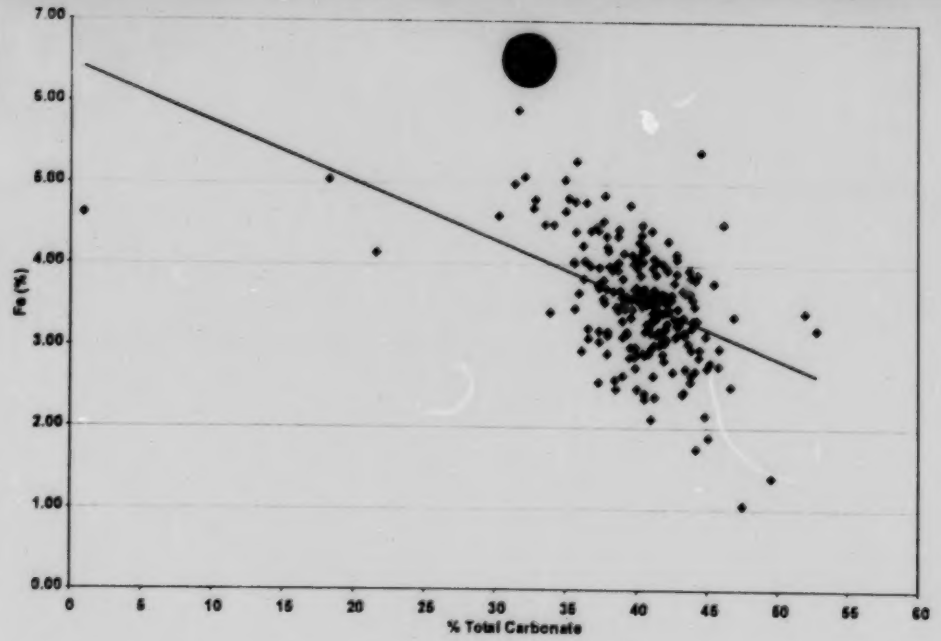
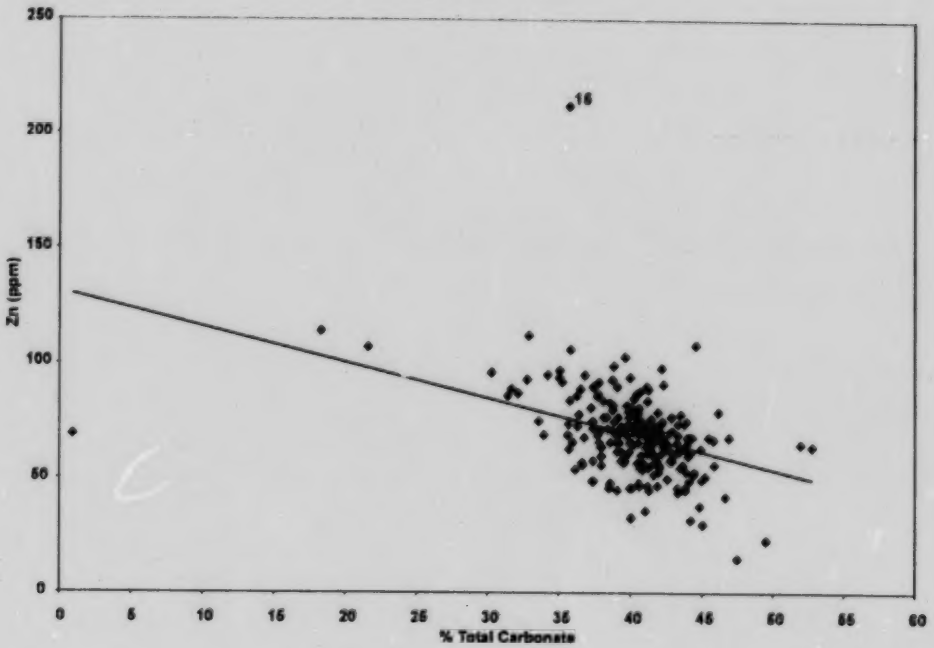
214
0
5
10
15
20
25
30
35
40
45
50
55
60
% Total Carbonate


7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
Fe (%)
0
5
10
15
20
25
30
35
40
45
50
55
60
% Total Carbonate


250
200
150
100
50
0
Zn (ppm)
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10
15
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25
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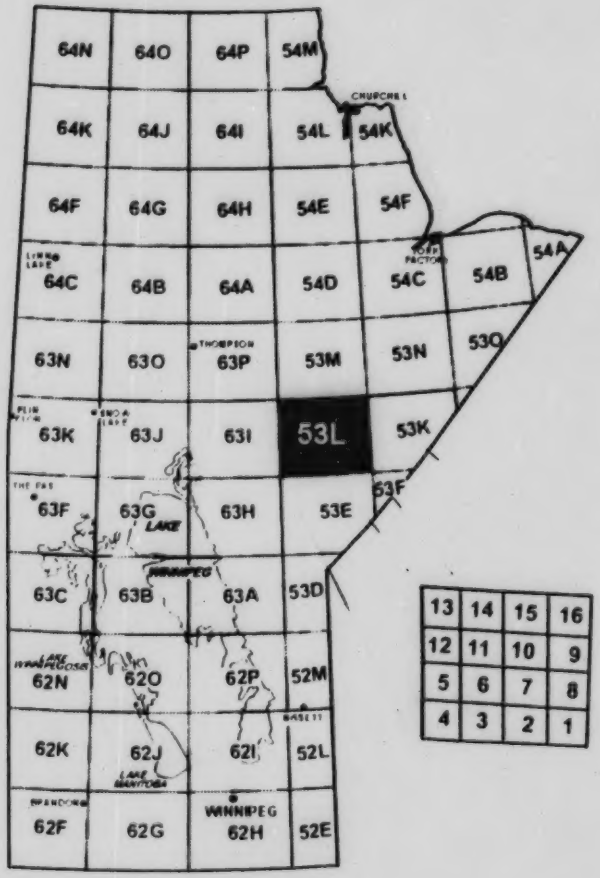
35
40
45
50
55
60
% Total Carbonate



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Operation Superior: multimedia geochemical survey results from the northern portion of the Knee Lake greenstone belt, northern Superior Province, Manitoba (NTS 53L): Volume 2

By M.A.F. Fedikow, E. Nielsen, G.G. Conley and P.G. Lenton
Winnipeg, 2002

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TABLE OF CONTENTS

Volume 1

INTRODUCTION 1

METHODOLOGY 4

DATA DISPLAY 4

BEDROCK GEOLOGY AND MINERAL DEPOSITS OF THE 2000 SURVEY AREA 5
- Knee Lake greenstone belt (northern half) 5
  - Introduction 5
  - Geological setting 5
  - Structure 8
  - Metamorphism 9
  - Mineral deposits 10
    - Sulphide mineral occurrences 10
    - Gold mineralization 11

QUATERNARY GEOLOGY OF THE 2000 SURVEY AREA 11
- Introduction 11
- Stratigraphy 11
- Ice-flow direction 12

ACKNOWLEDGMENTS 13

REFERENCES 13

ROCK GEOCHEMICAL SURVEY 18
- Sample collection, preparation and analysis 18
- Format 18
- Results 18

Instrumental neutron activation analysis (INAA) 18
Inductively coupled plasma–atomic emission spectrometry (ICP-AES) 21
Flow-injection mercury system (FIMS) 26
Hydrogen ion (H^+) 26
Specific conductance *K* (water-extractable metal) 26
Synthesis 26
Conclusions and recommendations 28

APPENDIX R-1: OUTCROP ROCK CHIP SAMPLE DESCRIPTIONS ..... R-1-1 to R-1-6
APPENDIX R-2: ICP-AES, H^+, *K* AND Hg ANALYSES ..... R-2-1 to R-2-4
APPENDIX R-3: ICP-AES, H^+, *K* AND Hg ANALYSES, MULTIPLE SAMPLES ..... R-3-1 to R-3-2
APPENDIX R-4: ICP-AES, H^+, *K* AND Hg PERCENTILE BUBBLE PLOTS ..... R-4-1 to R-4-26
APPENDIX R-5: INA ANALYSES ..... R-5-1 to R-5-4
APPENDIX R-6: INA ANALYSES, MULTIPLE SAMPLES ..... R-6-1 to R-6-2
APPENDIX R-7: INAA PERCENTILE BUBBLE PLOTS ..... R-7-1 to R-7-19

TILL GEOCHEMICAL SURVEY 29
Methods 29
Field methods 29
Laboratory methods 29
Results 30
Clay fraction (less than 2 µm) 30
Silt+clay fraction (less than 63 µm) 31
Carbonate content 31
Summary 31

APPENDIX T-1: ICP-AES, Hg (COLD VAPOUR - AAS) AND As (HYDRIDE GENERATION) ANALYSES FOR THE <2 MICRON SIZE FRACTION (CLAY FRACTION) OF TILL SAMPLES ..... T-1-1 to T-1-14
APPENDIX T-2: DUPLICATE PAIR ICP-AES, Hg (COLD VAPOUR - AAS) AND As (HYDRIDE GENERATION) ANALYSES FOR THE <2 MICRON SIZE FRACTION (CLAY FRACTION) OF TILL SAMPLES ..... T-2-1 to T-2-4

APPENDIX T-3: ICP-AES, Hg AND As PERCENTILE BUBBLE PLOTS FOR THE <2 MICRON SIZE FRACTION OF TILL SAMPLES ..... T-3-1 to T-3-30
APPENDIX T-4: INA ANALYSES FOR THE <63 MICRON SIZE FRACTION OF TILL SAMPLES ..... T-4-1 to T-4-14
APPENDIX T-5: DUPLICATE PAIR INA ANALYSES FOR THE <63 MICRON SIZE FRACTION OF TILL SAMPLES ..... T-5-1 to T-5-4
APPENDIX T-6: INAA PERCENTILE BUBBLE PLOTS FOR THE <63 MICRON SIZE FRACTION OF TILL SAMPLES ..... T-6-1 to T-6-20
APPENDIX T-7: CHITTICK ANALYSIS, <63 MICRON SIZE FRACTION OF TILL SAMPLES ..... T-7-1 to T-7-7
APPENDIX T-8: CHITTICK ANALYSIS, PERCENTILE BUBBLE PLOTS (<63 MICRON SIZE FRACTION) ..... T-8-1 to T-8-3
APPENDIX T-9: PLOT OF CALCITE VS. DOLOMITE FOR THE TILL SAMPLES T-9-1
APPENDIX T-10: RELATIONSHIP BETWEEN TOTAL CARBONATE IN THE <63 MICRON SIZE FRACTION AND THE GEOCHEMISTRY OF THE <2 MICRON SIZE FRACTION ..... T-10-1 to T-10-16

Volume 2

B-HORIZON SOIL GEOCHEMICAL SURVEY 33
Introduction 33
Enzyme leach[SM] 33
Sample collection 34
Sample preparation and analysis 35
Results 35
Specific conductance *K* (water-extractable metal) 35
Enzyme leach[SM] 35
Oxidation-suite elements 35
Metals 38
Base metals – chalcophile association 39
High field-strength elements 40
Rare-earth elements 41

Lithophile elements 42
Elements determined by ICP-AES on the enzyme leachate 43
Synthesis 45
Conclusions 47

APPENDIX B-1: ICP-MS (ENZYME LEACH), ICP-AES, H^+ AND *K* ANALYSES ..... B-1-1 to B-1-32
APPENDIX B-2: DUPLICATE PAIR ICP-MS (ENZYME LEACH), ICP-AES, H^+ AND *K* ANALYSES ..... B-2-1 to B-2-8
APPENDIX B-3: ICP-MS (ENZYME LEACH), ICP-AES, H^+ AND *K* ANALYSES PERCENTILE BUBBLE PLOTS ..... B-3-1 to B-3-45

HUMUS GEOCHEMICAL SURVEY 49
Sample collection 49
Sample preparation and analysis 49
Results 49
Instrumental neutron activation analysis (INAA) 49
Hydrogen ion (H^+) 53
Specific conductance *K* (water-extractable metal) 54
Flow-injection mercury system (FIMS) 54
Inductively coupled plasma–atomic emission spectrometry (ICP-AES) 54
Synthesis 58
Conclusions 58

APPENDIX H-1: ICP-AES, H^+, *K* AND Hg ANALYSES ..... H-1-1 to H-1-16
APPENDIX H-2: DUPLICATE PAIR ICP-AES, H^+, *K* AND Hg ANALYSES ..... H-2-1 to H-2-6
APPENDIX H-3: ICP-AES, H^+, *K* AND Hg PERCENTILE BUBBLE PLOTS ..... H-3-1 to H-3-20
APPENDIX H-4: INA ANALYSES ..... H-4-1 to H-4-14
APPENDIX H-5: DUPLICATE PAIR INA ANALYSES ..... H-5-1 to H-5-4
APPENDIX H-6: INAA PERCENTILE BUBBLE PLOTS ..... H-6-1 to H-6-19

VEGETATION GEOCHEMICAL SURVEY 60
Introduction 60
Sample collection 60

Sample preparation and analysis 60
Results 61
Ash 61
Instrumental neutron activation analysis (INAA) 63
Inductively coupled plasma–atomic emission spectrometry (ICP-AES) 66
Inductively coupled plasma–mass spectrometry (ICP-MS) 70
Synthesis 70
Responses to known base- and precious-metal mineralization 71
Other anomalous responses 72
Recommendations and conclusions 72

APPENDIX V-1: ICP-AES ANALYSES – ASHED SAMPLES ..... V-1-1 to V-1-14
APPENDIX V-2: DUPLICATE PAIR ICP-AES ANALYSES ..... V-2-1 to V-2-6
APPENDIX V-3: ICP-AES PERCENTILE BUBBLE PLOTS ..... V-3-1 to V-3-22
APPENDIX V-4: INA ANALYSES – ASHED SAMPLES ..... V-4-1 to V-4-14
APPENDIX V-5: DUPLICATE PAIR INA ANALYSES ..... V-5-1 to V-5-6
APPENDIX V-6: INAA PERCENTILE BUBBLE PLOTS ..... V-6-1 to V-6-23
APPENDIX V-7: ICP-MS ANALYSES – ASHED SAMPLES ..... V-7-1 TO V-7-3
APPENDIX V-8: ICP-MS PERCENTILE BUBBLE PLOTS ..... V-8-1 TO V-8-47

SYNOPSIS 74
Geochemical pathways 74
Amalgamated Knee Lake Mines Limited 74
Second Narrows 75
Parker Lake area 76
Summary 76
Final observations 77

Figures (*in* 'Bedrock Geology and Mineral Deposits of the 2000 Survey Area')

Figure 1: Location of multimedia geochemical surveys 6
Figure 2: Regional geology and multimedia sampling sites in the 2000 survey area 7

Figure 3: Mylar sample site location map overlay for the 2000 multimedia geochemical survey .....back pocket

Tables (in 'Vegetation Geochemical Survey')

Table 1: Essential and nonessential elements determined by INAA.....61
Table 2: Essential and nonessential elements determined by ICP-AES.....62

B-HORIZON SOIL GEOCHEMICAL SURVEY

Introduction

Samples of b-horizon soil have been used extensively during geochemical exploration programs for base and precious metals as well as other commodity types. Routinely, these samples were sieved to -80 mesh and analyzed for numerous elements by atomic absorption spectrometry (AAS) or ICP-AES, subsequent to an aqua-regia digestion. Other dissolutions were also utilized, including a number of phase-specific and sequential digestions. The b-horizon geochemical database created for Operation Superior samples collected in 2001 is based on the enzyme-leach^{SM} process. This analysis is a phase-specific approach to the delineation of metal-enriched zones within b-horizon soil samples. The enzyme-leach^{SM} data, like data generated from all other analytical approaches in this report, are interpreted using percentile bubble plots.

Enzyme leach^{SM}

The enzyme-leach^{SM} process is a phase-specific leach that preferentially attacks amorphous manganese-oxide coatings on mineral grains, thereby liberating trace metals that are trapped in this material. Amorphous manganese oxide represents an efficient chemical sieve or trap for cations, anions and polar molecules because of its large surface area and the random distribution of charges on its surface. The trace elements that are trapped or complexed on the amorphous manganese oxides are interpreted to represent the chemical signatures of buried, oxidizing mineralization at depth, rather than originating from a transported overburden source, such as till. It should be noted, however, that the geochemical signature within the b-horizon may be strongly affected by the weathering of till and the subsequent downward movement of metals. This could produce a 'transported' till geochemical signature in combination with site-specific mineralization-related geochemical signatures, resulting in a composite signature overall.

The possible contribution of parent-material composition to the overall enzyme-leach^{SM} signature is not well understood. Most of the amorphous manganese oxide is developed in the b-horizon, and studies in both arid and humid geological and climatic environments have established that mineral particles within this soil horizon are coated with this authigenic material. The a-soil horizon may not reflect geochemical anomalies identified in the b-horizon, because the a-horizon is fairly rapidly leached of its metallic components. These are carried downward, perhaps as humic- or fulvic-acid compounds (?humates/fulvates), and trapped or sieved as they encounter the amorphous Mn-oxide coatings on mineral grains in the b-horizon.

The chemical composition of the a-horizon is significantly impacted by the metal contents of vegetation contributing litter to the forest floor. This litter will reflect metals obtained by vegetation during nutrient acquisition from soil horizons tapped

by root systems. Accordingly, the a-horizon geochemical signature will reflect the ability of various species to acquire and store metals until such time as they are dropped to the forest floor, decompose and move downward in the soil profile. This source of metal may, therefore, reflect a transported metal signature representing a clastic component within an exotic till or lacustrine clay rather than a buried mineralization signature.

The diffusion of relatively volatile metal phases or metals transported by gases consisting of Hg vapour, CO_2, Rn, He, N, 0_2, $C0_4$, Ar and S compounds, away from an oxidizing zone of mineralization, undoubtedly proceeds as a result of a number of processes. Metal transport may be affected by the influence of an electrochemical or self-potential cell below the groundwater table, or as gaseous transport of elements derived from oxidizing mineralization and/or mantle degassing (cf. Gold and Soter, 1980; 'geogas', Malmqvist and Kristiansson, 1984; 'earth-gas', Wang et al., 1997). Metals carried by one or more of these mechanisms will be adsorbed by the amorphous Mn-oxide, enriching this portion of the b-horizon in metals.

Native Au and Hg in the soil profile will not be digested using the enzyme leach[SM]. The leachate from the b-horizon soil is analyzed by ICP-MS for 59 elements at detection limits in the parts per billion range. Clark (1992, 1993) provided theory and application of the enzyme-leach[SM] method. Data interpretation proceeds from the assessment of the halogens (Cl, Br, I), to an oxidation suite of As, Sb, Mo, W, Re, Se, Te, V, U, and Th, followed by the metals (Cu, Zn, Pb, Bi, Cd, Co, Ga, Ge, Ni, Sn, Ag, Au), high field-strength elements (Y, Ti, Nb, Zr, Hf, Ta), lithophile elements (Ba, Cs, Li, Mn, Rb, Sr) and finally the rare-earth elements. Fedikow and Ziehlke (1998) provided a Manitoba example of a property-scale application of this technique. Regional survey descriptions are available in Fedikow et al. (1997a, b, 1998, 1999).

Sample collection

Samples of b-horizon soil were collected from the pit dug for the till samples. The b-horizon was isolated on a clean face on one or more walls of the pit and scooped into a labelled, medium-sized, Ziploc™ sample bag. Care was taken not to include organic material either from the overlying humus or from forest litter when collecting this inorganic sample. This precaution was considered particularly important for enzyme-leach[SM] analyses, where considerable variance can be added to the data by mixing organic and inorganic material. The b-horizon in the survey areas ranged in colour from orange to chocolate brown. At some sampling sites, there was a 3–5 cm zone of mixing between organic and inorganic soil layers. In these instances, the b-horizon sample was collected from below the zone of mixing. Another variant in b-horizon sampling is the slumped, contorted and mixed nature of the most decomposed portions of the b-horizon with less oxidized, usually lower b-horizon material. This was attributed to either frost-heaving or soft-sediment deformation. In these instances, the b-horizon sample comprises b-horizon material that was inevitably mixed with less oxidized material. Duplicate samples were collected at every tenth site.

Sample preparation and analysis

Samples were returned to camp daily and stored in a shaded, low-lying area out of the direct rays of the sun, so that sample temperatures would not exceed 40°C. This temperature is considered to represent the upper limit for samples to be analyzed by the enzyme-leach^{SM} method. Temperatures exceeding 40°C will result in the volatilization of metal-bearing compounds from the sample. The b-horizon soil samples were shipped to the Manitoba Geological Survey laboratory, where they were air dried at less than 40°C and sieved to obtain the -60 mesh size fraction. The -60 mesh portion was forwarded to Activation Laboratories Ltd. for enzyme-leach^{SM}–ICP-MS analysis. In the samples from the 2001 survey, an ICP-AES analysis of the enzyme leachate was done for Mn, Al, Ca, Fe, Na, Mg, K and Si. These data may assist in the recognition of more regional geochemical trends that can be attributed to alteration systems. A separate -80 mesh aliquot was submitted to the Manitoba Geological Survey laboratory for the measurement of pH and conductivity. The pH and conductivity measurements were corrected and converted to H^+ and specific conductance using the formula of Govett (1976) and reproduced with examples in Govett et al. (1984). Geochemical data are listed in Appendix B-1 and analyses for field duplicate samples are given in Appendix B-2. Percentile bubble plots appear in Appendix B-3. With the exception of the hydrogen ion (H^+) and specific conductance (*K*), no other analyses were performed on the b-horizon soils. The H+ results were low due to the carbonate-rich character of the material sampled and are not discussed further.

Results

Specific conductance *K* (water-extractable metal)

K: The northwest corner of the 1999 survey area is marked by single and multisite specific conductance values comprising a 99th percentile at site 222 and two 98th percentiles at sites 131 and 135. Northeast of this response is a single-site 100th percentile at site 96 and a second at site 99 along the northern margin of the belt. An isolated 100th percentile occurs at site 285 east of the Magill Lake intrusion. A single 99th percentile occurs at site 56 east of Cinder Lake.

Enzyme leach^{SM}

Oxidation suite elements

Cl: The distribution of Cl in the 2001 survey area is limited to a few scattered 100th percentile responses with a possible elevated Cl zone in the south and west portions of the survey area where felsic volcanic rocks and metasedimentary gneiss units have been mapped. Single-site 100th percentiles (30400–40500 ppb) occur at sites 1, 14, 159 and 252. There is no outcrop exposure at any of these sites.

Br: The northern Knee Lake belt is marked by scattered areas of elevated Br responses. Three 100th percentile responses (356–499 ppb) occur in the northwest part of the 2001 survey area at sites 220, 310 and 348 in different

geological environments. The area of site 220 has outcrop of greywacke and arenite, 310 occurs in a late granodiorite intrusion and 348 is situated near the western limits of mafic volcanic rocks in the belt. A 99th percentile (337–349 ppb) at site 289 is also associated with greywacke and arenite. The southeast portion of the 2000 survey area is characterized by a preponderance of 90th and lesser percentile responses. A 100th percentile response is documented from site 143 and two 99th percentiles occur at sites 66 and 90.

I: Higher I responses are documented from the southeastern portion of the 2000 survey area. Numerous responses >95th percentile occur in this area and like Cl seem to cluster in the southern part of the survey area. The 100th percentiles (100–147 ppb) occur at sites 3, 82, 90 and 143. The area of site 3 is also marked by a 99th percentile (76–88 ppb) at site 4. Both sites are near the contact between granodiorite to the west and mafic volcanic rocks to the east. The 100th percentile at site 82 was collected over tonalite and site 90 is situated in an area of metasedimentary gneiss. Site 143 occurs in mafic volcanic terrain. The principal pattern in the I data is the marked difference between the northwest and southeast portions of the survey area.

V: Four 100th percentile responses (458–630 ppb) are documented from the southeast portion of the survey area. These occur at widely separated sites 52, 101, 142 and 166. There is a marked shift in the relative concentrations of V in enzyme-leach^{SM} data from the northwest and southeast portions of the survey area. This pattern is similar to the results for I.

As: Moderate-contrast As responses (100th percentiles; 17–25 ppb) are documented at sites 93, 100, 101, 107, and 126. Sites 101, 107, 126 and a 99th percentile (16–17 ppb) occur in alignment with a northwest trending structural fabric marked by mafic dykes. This particular area is referred to as the second narrows has been explored for Au mineralization. The area is also characterized by anomalous precious-metal contents in rock-chip samples. Elsewhere 100th percentiles are documented from sites 93 (metasedimentary rocks) and 100 (mafic volcanic rocks). A 99th percentile As response is also documented from site 134 on the east side of the peninsula northeast of the second narrows. Samples collected from the southeast portion of the sample area have significantly higher metal contents than samples from the northwest part of northern Knee Lake.

Se: Low contrast Se responses were obtained from the survey area. The 100th percentiles of 5.9–6.2 ppb are scattered throughout the area with a possible preference for geological environments dominated by sedimentary rocks. Sites 90 and 220 occur in the southeast and northwest parts of the area, respectively. The 'U'-shaped sedimentary gneiss terrain in the northwest is marked by three Se responses including a 100th percentile (site 220), a 99th percentile (5.6–5.8 ppb) at site 283 and a 95th percentile (2.5–5.4 ppb). A cluster of four Se responses occurs at sites 1–4 near the mafic volcanic-

granodiorite contact at the southwest end of the belt. These responses include a 100th percentile and three 95th percentiles. A 100th percentile is documented from site 315 near the mafic volcanic-tonalite contact on the northwest side of the belt.

Mo: High Mo responses are documented from a number of sites in the southeast portion of the survey area. The 100th percentiles (88–138 ppb) occur at sites underlain by tonalite (76 and 79) and mafic volcanic rocks (52 and 133). A number of 99th percentile responses (54–76 ppb) occur in association with the tonalite at site 154. The 100th percentile at site 133 is accompanied by a 99th percentile (site 131), a 98th percentile (30–48 ppb) at site 130 and a 95th percentile (14–30 ppb) at site 132. A 100th percentile is noted from site 52 at Sellers Lake in mafic volcanic rocks. Samples collected from the southeast portion of the sample area have significantly higher metal contents than samples from the northwest part of northern Knee Lake.

Sb: The Sb responses measured in this survey are low-contrast responses with the 100th percentile varying between 0.8–1.8 ppb. The locations of the 100th percentiles in the survey are more or less uniformly spread across the 2000 survey area. In the southeast 100th percentiles are noted at site 52 (Seller Lake) and at site 90 in association with metasedimentary gneiss. In the northwest, sites 238 (mafic volcanic rocks) and 350 (tonalite) have 100th percentile responses.

Te: The Te responses in the 2000 survey are uniformly low across the northern Knee Lake belt. Two areas of measurable Te are identified. The first is the southwest part of the area where sites 1–5, 359 and 360 vary between 0.8–2.2 ppb. The second cluster occurs due east of the first group and contains the same range in concentrations. A 100th percentile and a 95th percentile response are aligned with a northwest-trending mafic dyke. A 100th and 99th percentile occur at sites 68 and 69. Samples collected from the southeast portion of the sample area have significantly higher metal contents than samples from the northwest part of northern Knee Lake. In fact, no Te was measured in any sample collected from the northwest survey area.

W: Tungsten responses throughout the 2000 survey area are of low contrast and occur as scattered single-site anomalies. The 100th percentiles (5–9 ppb) occur at sites 52 (Sellers Lake), 46, 58, 159 and 79. Site 52 was also marked by elevated Sb and Mo. Samples collected from the southeast portion of the sample area have significantly higher metal contents than samples from the northwest part of northern Knee Lake. Tungsten contents are barely above the lower limits of detection in the northwest portion of the area.

Re: Rhenium concentrations are very low (100th percentile 0.018–0.027 ppb) and are observed to more or less correspond to Mo responses in the survey area. There are more responses above the lower limits of detection in the southeast than the northwest survey area. The association of Mo, Re, W and Sb at site 52 near Sellers Lake is noted.

Th: Thorium results for the 2000 survey area are moderate to low contrast. The northwest portion of the survey area is marked by two 100th percentile responses (20–27 ppb) at sites 214 and 271 and a 99th percentile response at site 285. The responses at sites 285 and 271 occur in association with a northwest-trending mafic dyke. The southeast portion of the survey area is marked by a single 100th percentile at site 135 and 99th percentiles at sites 63 and 93. Thorium appears to be uniformly distributed in terms of enzyme-leach^{SM} response across the 2000 survey area.

U: Unlike Th, samples collected from the southeast portion of the sample area have significantly higher U contents than samples from the northwest part of northern Knee Lake. The 100th percentiles (2.8–6.9 ppb) are all present in the southeast portion of the area. These occur at sites 90 and 93 in association with metasedimentary gneiss, site 52 (Sellers Lake), and in a couple of sites along the northeast shore of northern Knee Lake over tonalite (sites 75 and 80).

Metals

Co: The 2000 survey area is characterized by scattered single-site anomalous Co responses that are of moderate contrast. There does not appear to be any difference between the Co enzyme-leach^{SM} signature from the northwest and southeast portions of the survey area. The 100th percentile responses (27–34 ppb) occur at sites 93 (metasedimentary gneiss) and 145 (mafic volcanic rocks). Two sites with 100th percentile responses are documented in the northwest portion of the survey area at site 209 (western belt margin) and at site 328 (greywacke and arenite).

Ni: Samples collected from the southeast portion of the sample area have significantly higher Ni contents than samples from the northwest part of northern Knee Lake. Three 100th percentile responses (48–81 ppb) occur at sites 3, 10 and 145 in the southeast. Site 3 occurs at or near the contact between mafic volcanic rocks and granodiorite. The 100th percentile at site 10 is associated with a felsic volcanic unit; a 99th percentile (103 ppb) also occurs in association with a felsic volcanic unit in the southern part of the belt. The single 100th percentile in the northwest is documented from site 251 in an area of greywacke and arenite.

Cu: The southeast portion of the Knee Lake belt surveyed in 2000 consists of several clusters of moderate-contrast Cu anomalies. Two 100th percentile responses (171–219 ppb; sites 127 and 132) and a 99th percentile of 108–144 ppb at site 133 characterize the northern shore of the peninsula that juts into Knee Lake. South of these responses at site 45 and

101 are two 100th percentile responses. Site 45 is characterized by light-medium green weathering basalt that is locally rusty weathered. Two 99th percentile responses are present at site 99 and 205. Samples collected from the southeast portion of the sample area have significantly higher Cu contents than samples from the northwest part of northern Knee Lake.

Pb: Elevated lead responses are uniformly distributed between the northwest and southeast survey areas. The responses are low contrast with 100th percentiles having a range of 8–13 ppb. A 100th percentile occurs at site 231 and at 216. Both sites are proximal to Parker Lake and the greywacke and arenite mapped there. A 99th percentile response (6–7 ppb) occurs at site 217 in association with a 95th percentile (5–6 ppb) at site 252. These two sites straddle an east-trending belt of greywacke and arenite. A 100th percentile response at site 101 in the southeast portion of the area is associated with felsic volcanic rocks that have been mapped in the area although no outcrop was observed in the sample area. A second 100th percentile in this part of the survey area occurs in granodiorite terrain at site 5.

Zn: A multisite cluster of high Zn responses occurs at the southwest corner of the survey area. This cluster of anomalous responses includes 100th percentiles (71–146 ppb) at sites 2 and 5 and 99th percentiles (59–70 ppb) at sites 3 and 4. A two anomaly cluster consisting of a 100th percentile response at site 74 and a 98th percentile (41–53 ppb) at site 86 occurs at the northeast extremity of mafic volcanic rocks along the east shore of Knee Lake. A second two-site anomaly occurs at site 46 (100th percentile) and at site 44 (98th percentile). In the northwest portion of the survey area an east-trending belt of greywacke and arenite is characterized by a 99th percentile response at site 252, and two 98th percentiles at sites 328 and 251. There may be slightly higher Zn in samples collected from the southeast portion of the survey area.

Base metals – chalcophile association

Ga: The Ga results are low contrast with 100th percentiles of 5–7 ppb. Samples collected from the southeast portion of the sample area have higher Ga contents than samples from the northwest part of northern Knee Lake, albeit by only a few parts per billion. The 100th percentiles for Ga are documented from adjacent sites 18 and 93 as well as from sites 45 and 82. Outcrop is absent from all of these sites except for site 45 where a locally rusty weathered, generally light to medium green weathering basalt was observed. A 99th percentile of 5 ppb at site 88 and a 98th percentile (4–5 ppb) accompany the 100th percentile response at site 82. Sites 78, 82 and 88 are located over tonalite.

Cd: Cadmium responses in the 2000 survey area are low contrast, however there are multiple groupings of anomalous sites that predominate in the northwest portion of the survey area. The 100th percentile responses (1.5–2.4 ppb) are

documented from sites 237 and 281 west of Parker Lake in a 'U'-shaped belt of metasedimentary gneiss and at site 328 in similar rocks on the northwest shore of Knee Lake. A solitary 100th percentile response occurs at site 213.

Tl: Thallium responses are uniformly low across the survey area and have 100th percentiles of 0.6–0.8 ppb. The northwest portion of the survey contains all of the highest responses at sites 261 and 355 over rocks dominated by greywacke and mudstone, and at sites 248 and 278 in granodiorite terrain.

Bi: The 100th percentiles for Bi in the 2000 survey data are 3.8–7.4 ppb and as such are considered to be moderate to low contrast. Elevated Bi responses occur in two locations in the northwest survey area. The first of the two groupings is centred on an east-trending belt of greywacke and mudstone that is north of the main mass of the Knee Lake belt. Multiple anomalous sites are documented and include a single 100th percentile at site 350, and multiple 99th–95th percentile responses (1.5–3.2 ppb). The second grouping comprises three 100th percentile responses (sites 357, 361 and 362) and three 98th percentiles (sites 356, 360 and 363). Both groupings appear to define a glacial dispersion train oriented at approximately 235° azimuth, the direction of the last ice advance. A much lower contrast grouping of 90th–95th percentiles is clustered around a 'U'-shaped belt of greywacke and arenite near Parker Lake.

High field-strength elements

Ti: Samples collected from the southeast portion of the sample area have significantly higher Ti contents than samples from the northwest part of northern Knee Lake. The titanium results from the 2000 survey area have scattered 100th percentile responses (724–1270 ppb). The 100th percentiles occur at sites 116 (grey-green weathering massive basalt), 5 (granodiorite), 88 (tonalite) and 148 (no outcrop). An east-trending alignment of Ti responses is noted at the northeast extremity of the 2000 sampling area. This trend comprises 100th, 99th (611–669 ppb) and 98th percentiles (388–586 ppb) from sites collected over tonalite and mafic volcanic rocks.

Y: High Y responses occur within both the northwest and southeast survey areas. Two 100th percentile responses (69–90 ppb) in the southeast area occur at adjacent sites 90 and 93 and were collected over metasedimentary gneiss. Another 100th percentile occurs at site 63 on the peninsula that juts into Knee Lake. A single 100th percentile occurs in the northwest at site 238 near the contact between mafic volcanic rocks and tonalite. A lower contrast response of a 99th percentile (site 280) and a 98th percentile (site 271) define a northwest-trending mafic dyke.

Zr: The northwest portion of the survey area is marked by lower Zr responses than the southeast survey area. In the northwest a 100th percentile Zr response (117–177 ppb) is documented from site 238 and is coincident with a 100th percentile response for Y at this site. A string of 90th (32–56 ppb) and 75th (17–31 ppb) percentile responses mark the

presence of a northwest-trending mafic dyke. In the southeast, two 100th percentile responses occur at sites 90 and 93 and also correlate to 100th percentiles for Y at these sites. An additional 100th percentile occurs at site 63, which like the other 100th percentiles for Zr, corresponds to a 100th percentile for Y at this site.

Nb: Nb responses are very low in the northwest portion of the 2000 survey area with only a single site with a 95th percentile response (1.6–2.2 ppb). The remainder of the samples in this area are less than 1.6 ppb. The southeast survey area is marked by numerous 100th (3.7–15.6 ppb) and 99th percentiles (3.2–3.6 ppb). The 100th percentiles are documented from sites 115 and 116 in an area of green-grey weathering basalt crosscut by blue and white, nonmineralized quartz veins. A single 100th percentile occurs at site 5 (granodiorite). An east-trending cluster of 100th, 99th and 98th (2.3–3.1 ppb) is developed just north of the limits of mapped basalt on the east shore of Knee Lake. This same pattern was developed for Ti at these sites.

Hf: Low contrast Hf responses were obtained from the 2000 survey area. Samples collected from the southeast portion of the sample area have higher Hf contents than samples from the northwest part in northern Knee Lake albeit by a few parts per billion. A single 100th percentile (2.5–4.2 ppb) is documented from site 238 in the northwest. This site was also characterized by 100th percentile responses for Y and Zr. In the southeast, 100th percentiles were noted at adjacent sites 90 and 93 over metasedimentary gneiss and at site 135 (mafic volcanic rocks mapped, no outcrop).

Ta: Tantalum responses in samples collected from the southeast portion of the sample area have higher contents than samples from the northwest part although values are extremely low. The 100th percentile response is 0.4–0.6 ppb. The 100th percentiles are documented from the southeast portion of the survey area and include sites 5 (granodiorite), 52 (Sellers Lake), and two responses at sites 82 and 159. Sites 82 and 159 define, along with two 99th percentile responses (0.3–0.4 ppb) at sites 79 and 89, an east-trending response that was also documented for Ti and Nb.

Rare-earth elements

TREE: The rare-earth element signatures of the northern Knee Lake belt are expressed and interpreted on the basis of 'TREE' or the total of all rare-earth elements. Elevated TREE responses are noted from site 238 (100th percentile, 490–579 ppb) in the northwestern portion of the survey area. Site 238 is also characterized by 100th percentiles for Zr, Hf and Y. Additionally, a northwest-trending mafic dyke is marked by a 100th and 99th (434–473 ppb) percentile response. The southeast area contains two 100th percentiles at sites 93 (metasedimentary rocks; 98th percentile of 317–423 ppb at adjacent site 90) and site 63. Both of these sites have 100th percentile responses for Zr.

Lithophile elements

Li: Samples collected from the southeast portion of the sample area have significantly higher Li contents than samples from the northwest part of northern Knee Lake. The southeast portion of the belt is marked by a four-site cluster of three 100th percentiles (72–86 ppb) at sites 79, 82 and 166. A 99th percentile (53–61 ppb) completes this grouping that is developed over tonalite. Southwest of this grouping a two-site anomaly occurs over mafic volcanic rocks and is characterized by two 99th percentile responses at sites 85 and 148. A 99th percentile Li response is noted from site 52 near Sellers Lake. In the northwest portion of the survey area a single 100th percentile response is documented from site 216. This site is located at the eastern edge of a 'U'-shaped belt of greywacke and arenite.

Be: Beryllium responses from the 2000 survey area indicate the northwest portion of the survey area are marked by higher concentrations than in the southeast. Three 100th percentile responses (4–5 ppb) are noted from sites 213, 216 and 288. Multiple 99th (3–4 ppb) and 98th (3 ppb) are also present throughout this area. There appears to be a spatial association between the higher Be responses and a 'U'-shaped belt of greywacke and arenite located near the western edge of the survey area. The southeast is marked by substantially fewer responses and only a single 100th percentile at site 77 (tonalite).

Mn: Elevated Mn concentrations are more or less evenly distributed throughout the 2000 survey area although the northwest portion contains a greater number of 100th percentile responses (5210–8040 ppb). Two 100th percentiles occur north of Parker Lake at sites 243 and 244. In this same general area there is a 99th percentile (3880–4460 ppb, site 248) and a 98th percentile (2540–3870 ppb). Three of the four anomalous responses occur over tonalite and granodiorite terrain. In the southwest portion of the area a 100th percentile is documented at site 210 (mafic volcanic rocks). There are no 100th percentile responses for Mn in the southeast portion of the survey area.

Rb: Like Mn, the northwest survey area is characterized by higher Rb concentrations. A 100th percentile response (92–111 ppb) and two 99th percentile responses (81–89 ppb) are situated over the 'U'-shaped belt of greywacke and arenite in the northwest corner. Further east but, still over the same rock type, another 100th percentile is documented at site 328. An isolated 100th percentile response occurs at site 246. A single 100th percentile (site 148) is documented from the southeast area adjacent to the contact between granodiorite and mafic volcanic rocks.

Sr: Samples collected from the southeast portion of the sample area have significantly higher Sr contents than samples from the northwest part of the northern Knee Lake belt. The 100th percentile responses (1280–2050 ppb) are located at sites 114, 358 and 166 in the southeast area. Site 166 is also associated with two 98th percentiles (697–1040 ppb) at sites 80 and 81. Site 118 (99th percentile, 1070–1190) is adjacent to the 100th percentile at site 114 and both sites

are associated with felsic volcanic rocks. A 99th percentile at site 52 near Seller Lake is noted. A 99th percentile at site 259 on the northwest side of Knee Lake is developed over tonalite.

Cs: Low concentration levels for Cs are reported for the northwest side of Knee Lake with a single 99th percentile reported from site 287. This site is located over greywacke and arenite near Parker Lake. An east-trending multisite Cs anomaly is developed at sites 82, 88 and 152 (100th percentiles, 1.5–2.6 ppb), 159 (99th percentile, 1.4 ppb) and site 78 (98th percentile (0.8–1.3 ppb) in the southeast portion of the survey area. A single, isolated 100th percentile occurs at site 5 (granodiorite). The Cs responses for the entire 2000 survey area can be considered as low contrast.

Ba: High-contrast single-site as well as multisample 100th percentile responses are present in the northwest portion of the northern Knee Lake belt. Two 100th percentile responses (1130–1790 ppb, sites 237 and 288) as well as two 98th percentiles (812–1012 ppb, sites 281 and 287) characterize a 'U'-shaped belt of greywacke and arenite in the northwest corner of the survey area. A 99th percentile response (site 251) occurs over an east-trending unit of the same rock type east of Parker Lake. Subdued Ba responses characterize the southeast portion of the survey area with a single 99th percentile response at site 77 (tonalite).

Elements determined by ICP-AES on the enzyme leachate

Fe: Iron responses in the 2000 survey are low contrast with 100th percentiles of 8–15 ppm. The southeast survey area is marked by higher concentrations than the northwest. A multisite anomaly is documented near the eastern limits of sampling. This zone comprises one 100th percentile (site 88), two 99th percentiles (8 ppb, sites 82 and 152) and a 98th percentile (5–7 ppm, site 158). This trend has been previously recognized for Zn, Cs and Li. Single-site 100th percentile anomalies are documented from sites 5 (granodiorite), 152 (mafic volcanic rocks) and 116 (mafic volcanic rocks with blue-white nonmineralized quartz veins). A single 100th percentile occurs in the northwest survey area at site 302. The site is located at or near the contact between mafic volcanic rocks and tonalite.

Ca: There appears to be a preponderance of higher Ca responses in the northwest portion of the survey area. This pattern is developed in three or four specific areas and is marked by multisite responses. A 100th percentile (726–1318 ppm) response occurs at site 240 in association with a 99th (702–716 ppm) and 95th (635–667 ppm) percentile response. The anomaly occurs north of Parker Lake. A three site lower contrast anomaly occurs at sites 257 (99th percentile), 258 and 259 (both 98th percentiles). This response occurs over an east-trending unit of greywacke and mudstone. Single-site 100th percentiles occur at site 235 on the south shore of Parker Lake and further south at site 212. The southeast survey area is marked by a 100th percentile response at site 159 and is associated with two 98th percentiles at sites 73 and 74. A 99th percentile occurs at site 136 (no outcrop).

Na: The Na responses are significantly higher in the northwest portion of the 2000 survey area. A four-site anomaly is documented from an area of greywacke and mudstone near the northern extent of sampling. In this area two 100th percentiles (35–43 ppm, sites 300 and 321), one 98th percentile response (29–34 ppm, site 259) and a 95th percentile (22–29 ppm, site 306) are documented. A 100th percentile (site 272) and a 99th percentile (site 242) occur northwest of Parker Lake. A low-contrast, multisite anomaly is centred on a 'U'-shaped unit of greywacke and arenite near Parker Lake. This anomaly comprises four 98th percentile responses (sites 225, 236, 276 and 368) and two 95th percentiles (sites 237 and 277). An isolated 100th percentile occurs at site 348 near the western edge of the belt; a 99th percentile response occurs at site 215. The highest Na response in the southeast area occurs at site 143 over an area of pink to grey weathering, nonmineralized granite.

Mg: Significant Mg responses occur in both the northwest and southeast survey areas. The 100th percentile (98–138 ppm) response in the northwest occurs at site 339 over a granodiorite. A 99th percentile response occurs north of Parker Lake at site 238. In the southeast 100th percentile responses are documented from sites 121 (medium grey-green weathering pillow basalt, locally rusty weathered) and 211 (no outcrop). The 99th percentiles occur at sites 48 (no outcrop) and 143 (granite).

K: Elevated K responses are noted from the southeast portion of the survey area whereas the northwest is marked by very low responses. The exception occurs at sites 206 and 213 (100th percentiles, 54–63 ppm) and sites 203 (98th percentile, 40–45 ppm) and 202 (95th percentile, 34–39 ppm). This cluster is developed near the western edge of the belt. In the southeast 100th percentiles occur at site 52 (Sellers Lake), 99 (no outcrop), and 159. A 99th percentile is documented from site 118 (no outcrop) and 77 (tonalite).

Si: A similar observation as was made for K and many other elements can be made with regards to Si and the relative abundances between the northwest and southeast survey areas. The southeast is marked by significantly higher Si responses with 100th percentile responses documented from sites 5, 82, 88 and 90. Sites 82 and 88 occur near the north end of Knee Lake in an area characterized by an east-trending multisite and multi-element anomaly. In addition there are 98th percentile responses (32–37 ppm) at sites 75 and 152 in this area. The 100th percentile at site 93 is accompanied by a 98th percentile at site 90 and both responses are developed over a unit of metasedimentary gneiss. The site 5 anomaly occurs over granite/granodiorite.

Al: The highest Al values obtained in the 2000 survey area are confined to the northwest portion of the survey area. The 'U'-shaped unit of greywacke and arenite at Parker Lake is marked by 100th percentile responses (30–33 ppm) at sites 237 and 288. An east-trending unit of the same rock type extending from the east shore of Parker Lake is marked by

a 100th percentile response at site 328 and two 99th percentiles at sites 251 and 252. An isolated 100th percentile response occurs at site 230 at Parker Lake narrows.

Synthesis

Results from the enzyme-leach[SM] analysis of b-horizon soils have effectively delineated multisample and multi-element, high- to low-contrast anomalies centred on areas of strong geophysical response, structure and mineralization, and in areas where outcrop is unavailable due to surficial deposits. Multiple ground and airborne electromagnetic (EM) and magnetic anomalies occur east and northeast of the north end of Cinder Lake in the southern part of the 2000 survey area. Diamond-drill testing of these responses indicates that the cause of the responses is 0.3–10 m of near-massive sulphide mineralization consisting predominantly of pyrite, with lesser chalcopyrite and sphalerite, and nil Au values. These anomalies are developed within felsic volcanic rocks and graphitic sedimentary rocks (Hosain, 1998). In the Parker Lake area, coincident magnetic and electromagnetic responses are noted in association with a unit of greywacke and arenite. The same rock type at Mines Point on the northwest shore of Knee Lake hosts a large number of geophysical conductors (cf. maps OF99-7-26 and -33, Hosain, 1998).

The areas described above, as well as a selection of other sites, are geochemically anomalous based on enzyme-leach[SM] analysis of b-horizon soils. The geophysically 'active' area northeast and east of Cinder Lake is marked by anomalous responses for the oxidation-suite elements Cl, I, As, Se, Sb, Te, Re and U, for base metals Co and Ni, for base metals with chalcophile affinities Ga, for high field-strength elements Y, Zr and Hf, and for the REE and Si. This signature is characterized by more of a precious-metal response rather than a base-metal one. It is interesting that diamond-drilling on these conductors, to date, has reported only trace amounts of Cu, Pb or Zn. West of Cinder Lake near the boundary of the greenstone belt with granodiorite, a significant number of anomalous elements were documented. These include the oxidation suite of Cl, I, Se, Te and Re, the base metals Ni, Zn and Pb, the base metals with chalcophile affinities including Bi, and the high field-strength elements Ti, Nb, Ta and Si. Many of the greenstone belts in the northern Superior Province have belt margins characterized by high-strain zones. This geological characteristic may also be present at the western edge of the northern Knee Lake belt, and the presence of anomalous concentrations of high field-strength elements in this location could indicate that a structure or structures are present. The coincidence of Zn-Pb-Bi-Ni responses in the same area may indicate base-metal mineralization as mobilizate.

Significant EM and magnetic responses were identified in the 'U'-shaped greywacke-arenite unit near Parker Lake. In this area, Rb, Ba and Al enzyme-leach[SM] responses are probably reflecting the mineralogy of these sedimentary rocks. Some base-metal (Cd) and precious-metal (Se) responses were noted from the area. Anomalous Br and Be responses are also

present. This same rock type in the Mines Point area along the northwest shore of Knee Lake is marked by numerous EM conductors and magnetic responses. Elevated Cl, Ni, Co, Cd, Rb and Ba are noted from this area.

The Sellers Lake area is characterized by a persistent multi-element anomaly characterized by the oxidation suite elements Se, Sb, W, U and Re, the high field-strength element Ta, and the lithophile element Li.

Previous exploration in the Second Narrows area of Knee Lake by the KK Syndicate in 1995 indicated the potential for precious-metal mineralization. The results of this enzyme-leach^{SM} survey affirm this potential with anomalous concentrations of As, Se and Te (oxidation suite elements) and low Re contents. This mineralized zone is developed along a northwest-trending structure. A northwest-trending structure was also recognized in the 1999 multimedia survey of the southern Knee Lake belt. The structure passed south of Cinder Lake and was deemed anomalous in a wide variety of metals (cf. Fedikow et al., 2000). Structures oriented along northwest trends should be assessed for precious-metal potential.

A significant enzyme-leach^{SM} anomalous zone is recorded in the area of the Knee Lake Gold Mines and Johnson Knee Lake Gold Mines properties. Elevated Zn, Mo, U, Ti, Nb, Cs, Fe and Si are documented in samples collected from the area. There is a persistent east-trending line of 100th and 99th percentile responses that cuts through the area of these mineralized zones and this may be reflecting structural control of the mineralized zone. Recognition of the usefulness of enzyme-leach^{SM} analyses in the mineralized area provides an opportunity to assess prospective structures for additional mineralization where no outcrop exists.

The usefulness of enzyme-leach^{SM} analyses to map subsurface structures has been a basic tenet since its inception. The northwest-trending mafic dyke that occurs in the northwest part of the survey area probably occupies a structure of similar attitude. The high field-strength elements Ti, Y, Zr, Nb and Hf all reflect this structure, as do the rare-earth elements. Thorium responses are also present and suggest the presence of aluminosilicate minerals.

Of particular significance in this enzyme-leach^{SM} survey is the recognition of extraordinary differences in metal contents between the southeastern portion of the survey area and the northwestern portion. Most elements are elevated in the southeastern area with the exception of Bi, Cd, Tl, Be, Mn, Rb, Ba, Na and Al. This observation can be explained in terms of the different surficial environments that exists in these areas. The northwest portion of the survey area comprises drumlins and drumlinoid ridges that are composed of till derived from primarily distant sources. These materials were sampled for enzyme-leach^{SM} analysis and the results indicate that the thick and exotic tills may be disguising the bedrock-related signature of mineralized zones. B-horizon soils sampled from the southeastern part of the survey area were

derived from terrain characterized by rolling till plains topped by glaciolacustrine clay deposits. It is these samples that carry the site-specific signatures of mineralized zones, structures or geophysical responses.

The more distal tills present in the northwestern part of the survey area are interpreted to be particularly enriched in carbonate owing to the contribution of the Paleozoic carbonate rocks in the Hudson Bay Lowlands. If these tills are significantly more alkaline than those that were more locally derived, then the pH of the resultant enzyme-leach[SM] dissolution should reflect this difference. If the tills are examined separately, then the following becomes apparent. Of 113 tills sampled as b-horizon soils from the northwestern part of the survey area, 48 (or 42.5%) have enzyme-leach[SM] resultant dissolutions with pH in the range 4–4.5. The remainder have pH values that range between 6 and 6.5. In the southeastern aprt of the survey area, where tills sampled as b-horizon were collected from nondrumlinized rolling till plains, only 8 of 66 samples (or 12%) had resultant enzyme-leach[SM] dissolutions with pH values between 4 and 4.5. The remainder were between 6 and 6.5. This increased alkalinity in drumlin terrane due to a carbonate-enriched source region may explain the tremendous difference in the number of indicator elements as determined by enzyme leach[SM] in samples from the northwestern portion of the 2000 survey area. Alternatively, there is a fundamental difference in the chemistry of the tills collected from the nondrumlinized terrain in the southeast. This compositional difference could be attributed to the presence of a dispersion train related to a mineralized zone or a unique rock type such as kimberlite.

This theme will be more rigorously pursued in the final report for Operation Superior; however, the effect of different source areas and variability in the surficial environment will be discussed in each of the different parts of this report.

Conclusions

The following conclusions are apparent from the 2000 b-horizon soil geochemical survey based on the enzyme-leach[SM] process:

1) High-contrast multi-element and multisite anomalous responses have been delineated in the northern Knee Lake greenstone belt. Base- and precious-metal responses, along with those responses attributable to faults or shear zones, should be followed up by prospecting and detailed geophysical and geochemical surveys.

2) The mineralized zones at the Knee Lake Gold Mines and Johnson Knee Lake Gold Mines along the shoreline of northern Knee Lake are characterized by a wide variety of commodity and structure-related element responses. This provides an exploration tool for this style of mineralization in areas of no outcrop.

3) A properly collected, prepared and analyzed b-horizon soil sample can effectively target base- and precious-metal anomalies for subsequent follow-up, or map structure and/or unique rock types in the subsurface.

4) The significant areal expanses of peat wetlands and till cover in the 1999 multimedia survey does not prohibit the acquisition of meaningful soil geochemical data derived from the enzyme leaching of b-horizon soil samples. Analysis of the enzyme leachate by ICP-AES provides a suite of elements capable of mapping regional trends of alteration.

5) A significant difference in the relative abundances of metals reporting in the enzyme-leach^{SM} dissolution of b-horizon soils has been observed between carbonate-enriched, drumlin-dominated terrain in the northwest and the nondrumlinized till from the southeast. The difference in till provenance and composition, as reflected by pH measurements of enzyme-leach^{SM} dissolutions, probably explains, in part, the availability of metals to the enzyme leach^{SM}. Locally derived tills sampled as b-horizon reflect the presence of mineralized zones, geophysical and magnetic conductors and structures, whereas distal tills with elevated carbonate contents from the Hudson Bay Lowlands will have diluted enzyme-leach^{SM} signatures. Enzyme-leach^{SM} samples should not be collected from drumlins or drumlinoid ridges.

6) The geochemical composition of glacial till should be examined on the basis of major- and trace-element geochemistry with the aim of determining whether the differences in observed enzyme-leach^{SM} dissolution pH can be attributed to the presence of a dispersed train of sulphide- or unique lithology-related component.

Appendix B-1

ICP-MS (Enzyme Leach), ICP-AES, H^+ and *K* Analyses.

Sample Site	UTM		S.Q. Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	S.Q. Hg	Th	U	Co	Ni
	Easting	Northing	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2000B-1	376811.59	6095036.00	39500	85	55	49	8	3	1	0.1	1	2	0.01	0.03	1	2.5	0.3	5	10
2000B-2	377219.03	6094650.00	10700	84	52	118	5	3	1	0.1	2	2	0.01	0.03	1	7.7	1.2	8	20
2000B-3	376792.44	6093754.00	19800	181	114	193	11	6	3	0.1	1	3	0.01	0.03	1	6.1	0.8	4	81
2000B-4	377113.03	6092150.50	28900	141	76	87	7	3	1	0.1	1	2	0.01	0.03	1	10.7	2.2	15	24
2000B-5	376519.25	6090956.50	17900	70	31	111	4	3	1	0.1	1	1	0.01	0.03	1	10.2	1.7	12	24
2000B-6	380742.38	6092790.50	29100	100	47	114	6	5	2	0.1	1	2	0.01	0.03	1	3.7	1.1	10	20
2000B-8	384794.28	6092294.50	20900	77	43	65	6	3	1	0.1	1	3	0.01	0.03	1	2.1	0.4	3	9
2000B-9	384964.69	6093535.50	24600	143	52	133	6	5	4	0.1	1	3	0.01	0.03	1	3.1	1.0	10	16
2000B-10	386124.94	6091321.50	23200	211	88	217	10	3	3	0.4	1	2	0.01	0.03	1	3.5	1.0	16	54
2000B-11	385538.47	6092322.50	9140	65	27	105	4	3	1	0.1	1	1	0.01	0.03	1	3.3	0.7	7	14
2000B-12	386406.75	6094751.50	14700	79	28	88	10	3	2	0.1	2	3	0.01	0.13	1	3.4	0.5	5	13
2000B-13	382872.97	6094968.00	19500	133	45	96	5	3	1	0.1	1	2	0.01	0.03	1	3.8	0.3	3	12
2000B-14	384536.25	6095146.50	30400	147	53	172	10	3	3	0.1	1	2	0.01	0.03	1	4.5	0.8	5	9
2000B-15	385545.63	6095757.00	28800	128	60	234	14	3	3	0.1	1	3	0.01	0.03	1	5.1	0.5	4	14
2000B-16-1 Field Duplicate	389243.59	6093479.00	23300	108	46	71	6	3	1	0.1	1	2	0.01	0.03	1	2.2	0.4	9	9
2000B-16-2 Field Duplicate	389243.59	6093479.00	20900	76	44	36	3	3	1	0.1	1	3	0.01	0.03	1	2.9	0.8	4	6
2000B-17	388099.72	6092595.00	12500	30	42	56	7	3	7	0.1	1	2	0.01	0.03	1	1.5	0.5	4	13
2000B-18	386987.81	6092178.00	28100	131	62	213	7	3	2	0.1	1	2	0.01	0.03	1	3.7	0.7	11	33
2000B-24	389871.75	6091013.50	23100	180	55	219	9	3	1	0.1	1	3	0.01	0.03	1	3.9	0.5	4	17
2000B-25	388257.63	6091353.50	26700	143	57	191	9	3	2	0.1	1	2	0.01	0.03	1	4.1	1.0	3	13
2000B-26	386632.31	6093907.50	15700	99	44	76	9	3	1	0.1	1	2	0.01	0.03	1	5.4	0.4	3	10
2000B-27	387695.53	6094386.00	28000	113	30	47	6	3	1	0.1	1	2	0.01	0.03	1	5.7	0.4	3	5
2000B-28	392562.69	6091566.00	22700	62	22	44	6	3	1	0.1	1	2	0.01	0.03	1	2.5	0.3	2	4
2000B-29	392950.53	6094153.50	18900	66	30	83	7	3	1	0.1	1	3	0.01	0.03	1	4.4	0.5	4	8
2000B-30	387156.56	6099410.50	10100	80	19	42	9	3	6	0.1	1	2	0.01	0.03	1	5.4	0.3	4	10
2000B-31	386046.34	6098399.00	8510	122	43	98	8	3	1	0.1	1	2	0.01	0.03	1	7.9	0.8	7	19
2000B-33	387468.13	6097904.00	20800	94	12	44	8	3	1	0.1	1	2	0.01	0.03	1	8.2	0.5	3	9
2000B-34	387794.94	6101729.00	12700	43	1	36	6	3	1	0.1	1	2	0.01	0.03	1	4.6	0.3	2	6
2000B-35-1 Field Duplicate	386267.97	6101746.50	21700	94	27	125	9	3	3	0.1	1	2	0.01	0.03	1	2.7	0.3	4	5
2000B-35-2 Field Duplicate	386267.97	6101746.50	27000	101	36	65	4	3	1	0.1	1	2	0.01	0.03	1	3.0	0.2	3	9
2000B-36	385510.63	6100612.00	11900	52	3	128	9	3	11	0.1	1	2	0.01	0.03	1	2.2	1.2	6	15
2000B-37	394285.81	6088654.00	10600	106	41	285	12	3	4	0.5	1	4	0.01	0.03	1	3.5	0.8	4	19
2000B-38	394987.06	6089686.50	10700	152	50	195	8	3	3	0.1	1	2	0.01	0.03	1	5.4	1.3	10	17
2000B-39	394829.91	6093366.00	1000	162	56	262	7	3	4	0.1	1	2	0.01	0.03	1	3.4	1.3	5	15
2000B-40	396930.69	6095529.50	4110	188	34	136	6	3	1	0.1	1	1	0.01	0.03	1	7.7	1.2	21	17
2000B-41	397175.34	6096765.50	17400	115	69	212	10	3	1	0.1	1	2	0.01	0.03	1	8.5	1.8	17	27
2000B-42	392622.44	6095510.50	13700	34	1	61	9	3	12	0.1	1	2	0.01	0.03	1	4.3	0.7	5	17
2000B-43	399444.06	6096834.00	24400	136	52	253	10	6	3	0.3	1	2	0.01	0.03	1	3.8	0.6	6	15
2000B-44	396369.22	6096019.00	9310	93	72	298	12	3	1	0.4	1	3	0.01	0.03	1	4.1	1.3	6	24
2000B-45	395159.84	6097386.00	18400	49	23	124	11	3	14	0.1	1	3	0.01	0.03	1	2.7	0.7	6	36
2000B-46	396015.28	6097819.50	22900	129	26	128	7	3	1	0.1	1	5	0.01	0.03	1	6.3	1.3	14	25
2000B-47	396755.06	6098921.50	14900	91	19	96	9	3	1	0.1	1	2	0.01	0.03	1	3.8	0.5	3	9

Sample Site	UTM		S.Q. Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	S.Q. Hg	Th	U	Co	Ni
	Easting	Northing	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2000B-48	395938.59	6099589.00	8250	119	45	287	10	3	2	0.1	1	2	0.01	0.03	1	3.7	1.3	3	12
2000B-49	396828.66	6100814.00	3380	49	1	150	8	3	8	0.1	1	2	0.01	0.03	1	2.5	0.7	5	16
2000B-50	394790.84	6100997.50	5380	47	1	45	4	3	1	0.1	1	2	0.01	0.03	1	1.4	0.3	2	4
2000B-51	393755.47	6100100.50	20500	102	7	133	8	3	1	0.1	1	3	0.01	0.03	1	3.7	0.3	4	9
2000B-52	400768.63	6096955.50	14500	69	17	460	10	3	105	1.8	1	6	0.03	0.03	1	1.4	6.9	4	9
2000B-53-1 Field Duplicate	399544.66	6095816.50	24500	81	42	79	8	3	9	0.1	1	2	0.01	0.03	1	2.5	1.5	3	7
2000B-53-2 Field Duplicate	399544.66	6095816.50	17800	109	47	134	7	3	5	0.1	1	2	0.01	0.03	1	4.4	1.0	4	7
2000B-54	402068.50	6097093.50	15400	158	44	77	8	3	14	0.1	1	2	0.01	0.03	1	4.1	1.3	3	7
2000B-55	390952.91	6099942.50	8640	74	22	82	8	3	2	0.3	1	2	0.01	0.03	1	2.9	0.7	3	13
2000B-56	397265.06	6103193.00	10000	72	9	71	6	3	1	0.1	1	2	0.01	0.03	1	3.2	0.6	3	8
2000B-57	395006.56	6102457.50	9020	88	18	35	3	3	1	0.1	1	3	0.01	0.03	1	2.7	0.4	1	4
2000B-58	395716.94	6102027.50	11200	108	19	312	15	3	3	0.4	1	5	0.01	0.03	1	3.6	0.5	5	17
2000B-60	395773.38	6101007.00	4790	62	12	60	4	3	1	0.1	1	2	0.01	0.03	1	13.3	1.3	16	17
2000B-61	392900.03	6100991.00	6130	65	9	30	4	3	1	0.1	1	2	0.01	0.03	1	4.9	0.6	1	28
2000B-62	389885.03	6101959.00	4610	53	9	89	8	3	5	0.1	1	2	0.01	0.03	1	2.2	0.5	1	10
2000B-63	391621.97	6102347.50	8340	73	40	186	8	3	4	0.2	1	2	0.01	0.03	1	21.3	1.5	9	35
2000B-64	392280.47	6100523.00	4200	136	42	121	6	3	1	0.1	1	1	0.01	0.03	1	8.2	1.0	9	18
2000B-65	393553.56	6099419.00	10700	123	68	126	7	3	2	0.1	1	2	0.01	0.03	1	6.8	0.7	6	6
2000B-66	394714.06	6096812.00	12300	338	17	87	5	3	1	0.1	1	1	0.01	0.03	1	5.2	1.1	8	15
2000B-67	397742.78	6100050.50	11300	251	28	109	10	3	4	0.1	1	1	0.01	0.03	1	10.6	1.0	8	17
2000B-68	399084.13	6101491.00	9280	91	28	137	5	3	3	0.1	2	1	0.01	0.03	1	4.9	0.8	6	25
2000B-69-1 Field Duplicate	398290.31	6099503.50	4750	141	33	234	9	3	1	0.1	1	1	0.01	0.03	1	7.6	1.4	13	21
2000B-69-2 Field Duplicate	398290.31	6099503.50	1000	86	30	223	8	3	1	0.1	1	1	0.01	0.03	1	5.8	1.0	14	18
2000B-71	399944.16	6103230.00	13700	185	37	141	7	3	5	0.1	1	2	0.01	0.03	1	3.7	1.3	4	15
2000B-72	402259.69	6104161.50	2550	48	18	157	7	3	14	0.1	1	3	0.01	0.03	1	3.5	0.9	4	12
2000B-73	402783.03	6105930.50	15600	47	9	51	6	3	4	0.1	1	3	0.01	0.03	1	2.9	0.8	5	7
2000B-74	404843.22	6106167.00	14400	41	6	88	12	3	11	0.1	1	3	0.01	0.03	1	1.5	0.5	6	18
2000B-75	404345.91	6107971.00	10700	112	42	178	7	3	4	0.1	1	2	0.01	0.03	1	8.6	3.5	9	17
2000B-76-1 Field Duplicate	405489.13	6108952.50	16700	53	13	137	7	3	216	0.1	1	3	0.01	0.03	1	2.7	1.7	4	6
2000B-76-2 Field Duplicate	405489.13	6108952.50	12400	60	4	129	8	3	61	0.1	1	3	0.01	0.03	1	2.7	1.2	5	6
2000B-77	407618.00	6108196.00	1000	99	4	12	1	3	1	0.1	1	1	0.01	0.03	1	9.3	1.1	11	12
2000B-78	409199.56	6108708.50	13400	55	38	185	9	3	1	0.1	1	2	0.01	0.03	1	12.3	2.0	15	19
2000B-79	408686.88	6110003.50	8490	41	54	164	8	3	97	0.1	1	4	0.01	0.03	1	4.5	2.6	4	9
2000B-80	409780.19	6109958.00	1000	132	1	36	3	3	1	0.1	1	2	0.01	0.03	1	7.3	2.3	4	6
2000B-81	410936.50	6109974.50	7720	99	22	135	7	3	1	0.1	1	2	0.01	0.03	1	8.1	1.7	1	6
2000B-82	410200.44	6108716.00	10500	179	102	375	12	3	1	0.6	1	2	0.01	0.03	1	11.2	1.2	5	17
2000B-83	408701.53	6106066.50	1000	122	37	193	6	3	2	0.1	1	2	0.01	0.03	1	3.8	1.2	3	8
2000B-84	393512.25	6096425.00	9510	122	31	135	10	3	7	0.1	1	1	0.01	0.03	1	4.1	0.8	7	13
2000B-85	402062.69	6103060.50	1000	28	17	150	9	3	9	0.1	1	2	0.01	0.03	1	1.9	2.3	4	17
2000B-86	405613.66	6106052.00	1000	43	4	65	3	3	1	0.1	1	1	0.01	0.03	1	5.7	1.3	18	11
2000B-87	406394.53	6105961.00	6770	60	22	122	7	3	2	0.1	1	3	0.01	0.03	1	3.3	0.8	3	4
2000B-88	406650.31	6108446.50	1000	56	30	209	7	3	3	0.1	1	2	0.01	0.03	1	10.6	2.1	14	17
2000B-89	408752.84	6106602.00	1000	72	1	41	2	3	1	0.1	1	1	0.01	0.03	1	8.1	1.5	6	9
2000B-90	391117.84	6091481.50	5470	337	147	387	15	6	4	0.9	1	1	0.01	0.03	1	11.0	3.1	9	33
2000B-91	390579.66	6092302.50	9100	76	16	216	13	3	1	0.1	1	2	0.01	0.03	1	8.2	1.1	10	26
2000B-93	389781.91	6092662.00	8950	168	43	169	19	3	1	0.1	1	1	0.01	0.03	1	19.0	2.8	27	45
2000B-94	389081.13	6092532.00	3260	68	1	46	8	3	1	0.1	1	2	0.01	0.03	1	11.8	1.1	4	11
2000B-96	386122.09	6093126.50	8700	96	11	47	7	3	1	0.1	1	2	0.01	0.03	1	4.6	0.7	2	6
2000B-97	385659.50	6094922.00	3640	42	26	32	5	3	9	0.2	1	2	0.01	0.03	1	1.3	0.5	4	8

Sample Site	UTM		S.Q. Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	S.Q. Hg	Th	U	Co	Ni
	Easting	Northing	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2000B-98	390172.91	6093525.00	4190	141	56	135	8	3	1	0.2	1	2	0.01	0.03	1	11.0	1.1	11	15
2000B-99	391068.38	6094189.00	9920	29	1	408	7	3	76	0.5	1	3	0.02	0.03	1	5.6	1.2	3	11
2000B-100	390771.78	6095004.00	7830	111	18	44	17	3	6	0.1	1	3	0.01	0.03	1	6.9	0.9	3	10
2000B-101	393612.16	6097352.00	9790	98	15	565	18	5	26	0.1	1	3	0.02	0.03	1	4.8	0.8	7	18
2000B-102-1 Field Duplicate	392650.41	6096653.00	7000	80	24	50	5	3	2	0.1	1	3	0.01	0.03	1	3.8	0.4	4	10
2000B-102-2 Field Duplicate	392650.41	6096653.00	7830	91	32	45	5	3	1	0.1	1	3	0.01	0.03	1	4.2	0.4	3	7
2000B-103	391819.38	6096113.00	2490	68	13	202	9	3	3	0.6	1	3	0.01	0.03	1	12.6	1.6	20	37
2000B-104	390131.41	6099288.50	9970	48	2	96	10	3	1	0.1	1	3	0.01	0.03	1	13.1	0.9	6	16
2000B-105	390189.03	6100414.50	1000	110	21	171	15	3	2	0.1	2	2	0.01	0.03	1	9.7	1.0	10	15
2000B-106	388754.06	6100689.00	1000	53	21	105	15	3	30	0.1	1	3	0.01	0.03	1	8.4	1.0	6	19
2000B-107	388936.94	6101455.50	8850	83	14	74	25	3	4	0.1	1	3	0.01	0.03	1	4.4	0.4	6	14
2000B-108	385521.41	6099638.00	1000	70	12	27	5	3	1	0.1	1	3	0.01	0.03	1	3.1	0.5	2	8
2000B-109	386132.81	6096368.00	1000	42	1	25	6	3	1	0.1	1	2	0.01	0.03	1	6.2	0.4	2	5
2000B-110	386549.38	6095571.00	6540	97	30	130	15	3	1	0.1	1	3	0.01	0.03	1	2.0	0.2	5	9
2000B-112	392762.47	6099792.50	6800	79	12	139	15	3	12	0.2	1	3	0.01	0.03	1	3.0	0.5	5	14
2000B-113	392921.88	6098805.00	5040	64	19	88	10	3	1	0.1	1	3	0.01	0.03	1	2.4	0.4	3	13
2000B-114	392777.34	6097588.00	13400	190	47	101	12	3	7	0.1	1	3	0.01	0.03	1	3.7	0.4	4	14
2000B-115	391675.25	6095251.50	2520	71	1	81	8	3	3	0.1	1	3	0.01	0.03	1	3.1	0.6	4	11
2000B-116	389621.63	6095117.50	23300	180	48	143	10	3	3	0.1	1	4	0.01	0.03	1	8.8	0.8	17	24
2000B-117	390853.22	6096177.00	13700	186	49	131	8	3	4	0.1	1	2	0.01	0.03	1	4.3	0.5	7	9
2000B-118	391438.41	6097052.00	1000	92	17	139	15	3	41	0.3	1	4	0.01	0.03	1	4.7	2.5	6	17
2000B-119	387047.13	6096397.00	2700	46	4	60	10	3	41	0.1	1	3	0.01	0.03	1	2.5	1.4	3	15
2000B-120	388195.31	6096944.00	1000	41	1	88	12	3	13	0.1	1	3	0.01	0.03	1	4.0	1.0	6	8
2000B-121	388949.72	6097695.50	10500	188	59	216	12	6	12	0.1	1	3	0.01	0.03	1	5.0	1.5	11	30
2000B-122	390079.06	6098127.00	6540	59	1	45	8	3	1	0.1	1	3	0.01	0.03	1	7.1	0.6	2	7
2000B-124	391713.34	6099945.50	15000	92	15	105	5	3	1	0.1	1	3	0.01	0.03	1	1.6	0.4	1	6
2000B-125	388349.84	6102123.50	8040	79	11	72	6	3	1	0.1	1	3	0.01	0.03	1	4.9	0.5	5	11
2000B-126	389293.28	6102642.00	17600	241	55	348	17	5	5	0.2	1	3	0.02	0.03	1	5.9	0.9	18	33
2000B-127	390127.16	6103821.50	13100	75	45	94	16	3	36	0.1	1	4	0.01	0.03	1	4.9	0.7	8	20
2000B-128	390869.06	6103009.00	5310	27	1	54	5	3	23	0.1	1	4	0.01	0.03	1	2.1	0.5	5	11
2000B-129	391955.44	6103866.00	1000	51	1	29	3	3	1	0.1	1	3	0.01	0.03	1	4.1	0.3	2	5
2000B-130-1 Field Duplicate	392870.50	6104868.50	1000	42	10	340	16	3	42	0.2	1	4	0.01	0.03	1	2.1	0.5	3	15
2000B-130-2 Field Duplicate	392870.50	6104868.50	3470	37	14	335	15	3	37	0.1	1	4	0.01	0.03	1	1.8	0.5	4	12
2000B-131	393909.19	6105750.00	7260	66	5	102	9	3	54	0.1	1	3	0.01	0.03	1	3.8	0.5	5	11
2000B-132	394643.75	6105112.00	1000	58	12	120	8	3	15	0.1	1	3	0.01	0.03	1	1.5	0.4	8	23
2000B-133	395632.94	6104304.50	10300	70	1	304	8	3	88	0.8	1	5	0.01	0.03	1	2.0	0.4	6	32
2000B-134	395953.06	6103406.50	13800	32	1	123	17	3	13	0.1	1	3	0.01	0.03	1	3.7	1.1	7	11
2000B-135	398475.94	6100648.50	1000	71	3	103	6	3	1	0.1	1	3	0.01	0.03	1	20.3	1.4	19	31
2000B-136	397807.00	6101720.00	18600	34	3	66	12	3	23	0.1	1	3	0.01	0.03	1	6.6	1.1	12	35
2000B-137-1 Field Duplicate	398893.06	6102443.50	14500	76	8	276	12	3	6	0.1	1	3	0.01	0.03	1	3.0	1.0	6	17
2000B-137-2 Field Duplicate	398893.06	6102443.50	12100	67	1	184	10	3	7	0.2	1	2	0.01	0.03	1	2.2	0.7	7	13
2000B-138	400332.28	6102223.50	5640	75	10	221	13	3	3	0.1	1	3	0.01	0.03	1	2.5	0.7	5	21
2000B-139	401013.91	6102969.00	8160	60	1	76	11	3	1	0.1	1	3	0.01	0.03	1	2.3	0.4	3	6
2000B-140	396582.16	6102405.00	1000	57	1	28	2	3	1	0.1	1	1	0.01	0.03	1	5.5	0.8	2	2
2000B-142	398461.16	6104054.50	1000	71	20	458	13	3	17	0.3	1	4	0.01	0.03	1	2.4	1.2	6	24
2000B-143	398945.84	6104816.50	26800	411	100	296	11	3	5	0.7	1	2	0.02	0.03	1	5.6	0.6	4	18
2000B-145	400163.44	6105012.00	14200	64	42	86	5	3	8	0.1	1	2	0.01	0.03	1	10.4	1.4	27	48
2000B-146	401035.00	6105142.00	14100	110	32	98	8	3	3	0.1	1	3	0.01	0.03	1	9.3	0.8	4	12
2000B-148	400836.19	6104312.50	2140	120	28	49	4	3	1	0.1	1	2	0.01	0.03	1	10.1	1.8	16	31

Sample Site	UTM		S.Q. Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	S.Q. Hg	Th	U	Co	Ni
	Easting	Northing	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2000B-149-1 Field Duplicate	402139.66	6105434.00	5840	37	9	62	1	3	1	0.1	1	1	0.01	0.03	1	1.1	0.6	5	2
2000B-149-2 Field Duplicate	402139.66	6105434.00	4150	38	6	74	1	3	2	0.1	1	1	0.01	0.03	1	0.7	0.4	7	2
2000B-151	402635.81	6106941.00	7210	41	7	26	2	3	1	0.1	1	2	0.01	0.03	1	1.7	0.3	2	5
2000B-152	403285.63	6107605.00	1000	45	19	94	6	3	1	0.1	1	2	0.01	0.03	1	11.1	1.2	18	25
2000B-153	403857.41	6108381.00	5790	78	19	81	9	3	1	0.1	1	2	0.01	0.03	1	10.2	0.9	11	11
2000B-154	405007.19	6108764.00	7610	49	10	80	12	3	61	0.1	1	2	0.01	0.03	1	5.8	0.9	6	14
2000B-155	405182.97	6109662.50	6850	130	56	204	8	3	5	0.1	1	2	0.01	0.03	1	2.9	0.8	5	35
2000B-157	402663.81	6108717.50	7270	105	26	151	9	3	1	0.1	1	2	0.01	0.03	1	8.7	1.5	6	15
2000B-159	401165.03	6107954.50	40500	73	28	67	10	3	16	0.7	1	9	0.01	0.03	1	14.7	1.4	11	20
2000B-160	399579.41	6108137.00	16100	44	1	111	9	3	1	0.1	1	4	0.01	0.03	1	5.4	0.5	5	9
2000B-161	409503.97	6110965.50	13900	118	35	185	8	3	1	0.1	1	3	0.01	0.03	1	4.2	0.6	2	10
2000B-162	408825.19	6111203.00	10500	61	18	90	11	3	1	0.1	1	2	0.01	0.03	1	5.3	0.5	4	6
2000B-165	406840.56	6111248.50	1000	33	1	83	2	3	1	0.1	1	3	0.01	0.03	1	2.5	0.8	23	12
2000B-166	406114.34	6111079.00	30000	197	41	630	12	3	4	0.1	1	3	0.01	0.03	1	3.3	0.3	11	19
2000B-167	404689.56	6110332.00	1000	100	17	110	3	3	10	0.1	1	2	0.01	0.03	1	3.9	0.6	5	6
2000B-169	406356.91	6109394.50	3060	79	40	162	9	3	6	0.1	1	3	0.01	0.03	1	5.3	0.9	1	6
2000B-170	401106.94	6103466.00	3560	44	1	69	11	3	8	0.1	1	3	0.01	0.03	1	3.9	0.8	5	13
2000B-171-1 Field Duplicate	400308.25	6102973.00	1000	52	13	54	12	3	20	0.1	1	3	0.01	0.03	1	1.6	0.3	2	6
2000B-171-2 Field Duplicate	400308.25	6102973.00	3420	60	11	56	10	3	13	0.1	1	3	0.01	0.03	1	1.9	0.3	2	10
2000B-173	385214.00	6096092.00	10700	74	7	27	7	3	1	0.1	1	3	0.01	0.03	1	1.6	0.2	3	8
2000B-174	384167.44	6096184.50	12800	58	1	37	12	3	1	0.1	1	3	0.01	0.03	1	1.8	0.2	4	6
2000B-175	388265.75	6102950.00	15600	50	7	135	9	3	1	0.1	1	3	0.01	0.03	1	6.9	0.4	4	11
2000B-177	386911.62	6102253.00	16400	69	10	74	7	3	1	0.1	1	2	0.01	0.03	1	3.4	0.2	2	12
2000B-178	383961.50	6096975.00	4670	38	1	44	8	3	4	0.1	1	3	0.01	0.03	1	2.2	0.3	11	20
2000B-179-1 Field Duplicate	382763.03	6098971.50	5170	73	1	71	8	3	1	0.1	1	3	0.01	0.03	1	1.4	0.3	5	11
2000B-179-2 Field Duplicate	382763.03	6098971.50	7220	174	11	86	8	3	1	0.1	1	3	0.01	0.03	1	1.8	0.4	2	8
2000B-180	383572.19	6099390.00	7950	86	24	210	12	3	1	0.1	1	4	0.01	0.03	1	2.5	0.6	4	20
2000B-182	385706.34	6102721.00	6890	80	11	81	10	3	1	0.1	1	2	0.01	0.03	1	3.6	0.3	4	8
2000B-201	376329.06	6099848.50	5900	73	17	61	4	3	1	0.1	1	1	0.01	0.03	1	3.7	0.5	7	7
2000B-202	377827.09	6101405.50	1000	74	3	62	4	3	1	0.1	1	2	0.01	0.03	1	10.3	0.9	17	7
2000B-203	377759.09	6103205.50	1000	72	1	9	1	3	1	0.1	1	1	0.01	0.03	1	1.7	0.4	8	8
2000B-204	379288.84	6099045.50	10400	102	37	279	8	3	2	0.5	1	2	0.01	0.03	1	3.4	0.7	20	38
2000B-205	377938.81	6100685.00	3550	53	3	39	12	3	1	0.1	1	2	0.01	0.03	1	2.3	0.6	2	5
2000B-206	376715.94	6102116.00	1000	66	1	11	1	3	1	0.1	1	1	0.01	0.03	1	1.9	0.4	8	3
2000B-207	383212.94	6102354.00	13100	256	38	192	8	3	1	0.4	1	2	0.01	0.03	1	1.8	0.6	4	14
2000B-209	377791.78	6097599.50	1000	125	22	119	5	3	1	0.1	1	1	0.01	0.03	1	8.5	1.2	30	14
2000B-210	378771.63	6097898.50	3720	66	12	90	6	3	1	0.1	1	1	0.01	0.03	1	14.1	1.3	11	5
2000B-211	386750.13	6103960.50	13600	246	58	125	13	3	5	0.1	1	2	0.01	0.03	1	8.2	1.2	9	29
2000B-212	383294.22	6105784.50	15600	86	1	26	8	3	1	0.1	1	2	0.01	0.03	1	3.2	0.4	8	11
2000B-213	381556.81	6105384.50	3450	53	1	15	1	3	1	0.1	1	1	0.01	0.03	1	1.4	0.5	9	5
2000B-214	380459.88	6105602.00	10800	115	35	69	3	3	2	0.6	1	1	0.01	0.03	1	26.5	1.7	14	10
2000B-215	377864.75	6104760.00	13700	78	28	89	6	3	1	0.1	1	1	0.01	0.03	1	7.9	1.1	21	21
2000B-216	383573.22	6109146.50	7950	98	16	8	1	3	1	0.1	1	1	0.01	0.03	1	2.0	0.4	26	16
2000B-217	390236.81	6110548.50	4560	106	31	54	6	3	2	0.1	1	3	0.01	0.03	1	5.1	0.5	6	8
2000B-218-1 Field Duplicate	389764.00	6111144.00	7880	62	15	30	6	3	2	0.1	1	3	0.01	0.03	1	2.6	0.4	3	6
2000B-218-1 Field Duplicate	389764.00	6111144.00	12700	85	15	39	7	3	4	0.1	1	3	0.01	0.03	1	2.2	0.3	4	8
2000B-219	390098.19	6111950.00	12400	81	23	46	5	3	2	0.1	1	3	0.01	0.03	1	3.1	0.6	8	12
2000B-220	381027.66	6110614.00	17500	356	72	250	11	6	13	0.4	1	2	0.01	0.03	1	4.8	0.5	9	15
2000B-221	377695.31	6108412.50	10800	174	76	110	7	3	4	0.3	1	2	0.01	0.03	1	7.2	0.9	9	19

Sample Site	UTM		S.Q. Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	S.Q. Hg	Th	U	Co	Ni
	Easting	Northing	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2000B-222	379349.53	6108925.00	7450	121	29	63	7	3	2	0.1	1	2	0.01	0.03	1	4.4	0.9	8	5
2000B-223	381125.06	6107999.50	4560	82	9	10	2	3	1	0.1	1	1	0.01	0.03	1	4.4	0.8	7	5
2000B-224	379795.09	6110312.00	1000	56	19	63	3	3	1	0.1	1	1	0.01	0.03	1	6.8	0.8	11	9
2000B-225	379465.34	6111668.50	6030	92	15	16	2	3	1	0.1	1	3	0.01	0.03	1	13.8	1.1	7	6
2000B-226	385778.38	6102867.50	13500	63	28	129	13	3	30	0.7	1	3	0.01	0.03	1	4.1	0.5	3	13
2000B-227	389816.63	6100772.00	12400	158	49	208	9	3	5	0.2	1	3	0.01	0.03	1	4.2	1.0	3	14
2000B-228	386397.94	6109043.50	14800	60	3	27	7	3	2	0.1	1	2	0.01	0.03	1	5.8	0.6	6	14
2000B-239	384070.59	6107122.50	5830	57	4	50	8	3	1	0.1	1	2	0.01	0.03	1	1.4	0.4	3	7
2000B-230	383904.16	6112613.50	1000	61	3	22	1	3	1	0.1	1	1	0.01	0.03	1	4.3	0.7	6	11
2000B-231-1 Field Duplicate	382258.53	6113338.50	14100	178	16	99	8	3	1	0.1	1	2	0.01	0.03	1	2.3	0.5	4	5
2000B-231-2 Field Duplicate	382258.53	6113338.50	6150	107	12	73	7	3	1	0.4	1	2	0.01	0.03	1	1.7	0.5	3	5
2000B-232	390562.03	6109659.00	6490	44	3	46	7	3	1	0.4	1	2	0.01	0.03	1	2.3	0.4	4	5
2000B-233	392016.75	6110904.50	1000	54	4	11	1	3	1	0.1	1	2	0.01	0.03	1	2.7	0.5	11	2
2000B-234	392301.84	6112182.50	7410	91	12	75	6	3	1	0.1	1	3	0.01	0.03	1	1.3	0.5	3	6
2000B-235	386428.03	6112778.00	3840	70	12	43	8	3	1	0.1	1	2	0.01	0.03	1	4.5	0.5	3	8
2000B-236	381154.03	6111993.00	10100	145	44	106	6	3	1	0.1	1	2	0.01	0.03	1	5.1	0.8	7	8
2000B-237	379199.69	6112599.50	1000	82	1	9	1	3	1	0.1	1	1	0.01	0.03	1	1.7	0.5	9	5
2000B-238	386874.16	6116827.00	23700	181	69	193	15	3	5	0.8	1	1	0.01	0.03	1	10.7	1.0	19	36
2000B-239	386481.22	6119657.00	11900	69	5	40	7	3	1	0.1	1	2	0.01	0.03	1	3.1	0.4	3	5
2000B-240	385161.59	6118841.50	9080	102	1	64	9	3	32	0.3	1	3	0.01	0.03	1	2.1	0.5	7	9
2000B-241	382370.50	6117084.50	13000	82	12	27	4	3	1	0.1	1	2	0.01	0.03	1	9.0	0.9	12	9
2000B-242	381725.97	6118149.50	9170	71	4	40	6	3	3	0.1	1	2	0.01	0.03	1	2.9	0.8	5	6
2000B-243	383723.41	6118533.50	9410	89	7	12	2	3	1	0.1	1	2	0.01	0.03	1	5.0	1.0	13	15
2000B-244	389263.66	6117914.50	1000	23	1	21	1	3	1	0.1	1	1	0.01	0.03	1	3.3	0.5	7	4
2000B-245	390752.63	6118711.00	7160	44	1	22	5	3	1	0.1	1	2	0.01	0.03	1	2.8	0.4	2	4
2000B-246	389829.19	6119804.50	3690	101	3	11	1	3	1	0.1	1	1	0.01	0.03	1	3.3	0.6	6	3
2000B-247	387542.09	6120739.50	15400	153	26	103	3	3	1	0.8	1	1	0.01	0.03	1	5.7	0.8	9	6
2000B-248	387894.78	6122519.00	3060	97	15	40	3	3	1	0.1	1	1	0.01	0.03	1	11.9	1.0	6	5
2000B-249	386461.28	6122755.00	4360	215	6	63	4	3	1	0.3	1	1	0.01	0.03	1	5.2	0.8	11	10
2000B-250-1 Field Duplicate	392449.16	6112208.50	4460	105	12	95	4	3	1	0.1	1	1	0.01	0.03	1	9.3	0.7	4	2
2000B-250-2 Field Duplicate	392449.16	6112208.50	1000	91	7	113	3	3	1	0.1	1	2	0.01	0.03	1	6.5	0.9	8	6
2000B-251	391802.69	6111173.00	1000	25	1	12	1	3	1	0.1	1	1	0.01	0.03	1	1.4	0.3	12	54
2000B-252	390174.03	6112731.00	37300	56	1	15	1	3	1	0.1	1	1	0.01	0.03	1	2.4	0.5	8	6
2000B-253	395615.16	6113826.50	10400	78	5	50	4	3	1	0.1	1	1	0.01	0.03	1	4.7	0.6	7	5
2000B-254	396711.59	6114399.00	5200	80	1	24	2	3	1	0.1	1	1	0.01	0.03	1	5.2	1.0	9	8
2000B-255	398099.66	6117886.50	12300	108	19	95	5	3	1	0.1	1	2	0.01	0.03	1	5.8	0.5	4	8
2000B-256	403018.75	6120422.00	7330	70	8	56	8	3	1	0.1	1	2	0.01	0.03	1	3.9	0.5	5	13
2000B-257	403015.22	6118430.00	12200	51	1	32	7	3	1	0.1	1	2	0.01	0.03	1	4.8	0.4	3	5
2000B-258	401426.78	6118891.00	15400	93	12	83	6	3	2	0.3	1	3	0.01	0.03	1	3.8	0.4	5	7
2000B-259	394433.78	6120179.50	15800	247	29	58	9	3	8	0.4	1	3	0.01	0.03	1	2.6	0.6	5	10
2000B-260	392810.16	6120480.50	15100	118	45	108	10	3	5	0.1	1	2	0.01	0.03	1	4.4	0.6	5	10
2000B-261	395856.13	6121526.00	8420	60	18	11	2	3	1	0.1	1	2	0.01	0.03	1	6.2	0.9	10	11
2000B-262	382201.84	6113313.00	7640	66	15	52	7	3	1	0.4	1	2	0.01	0.03	1	2.7	0.5	3	6
2000B-263	382691.75	6113932.00	9320	70	11	35	7	3	1	0.1	1	2	0.01	0.03	1	2.5	0.5	3	5
2000B-264	380485.66	6115711.50	6560	92	16	60	4	3	2	0.1	1	2	0.01	0.03	1	4.6	0.5	3	5
2000B-265-1 Field Duplicate	379871.44	6116760.00	5100	58	21	19	3	3	1	0.1	1	2	0.01	0.03	1	14.7	1.2	12	4
2000B-265-2 Field Duplicate	379871.44	6116760.00	1000	52	11	18	6	3	1	0.1	1	1	0.01	0.03	1	14.4	1.1	9	11
2000B-266	381433.31	6117001.50	3640	45	23	15	1	3	1	0.1	1	1	0.01	0.03	1	5.2	0.8	5	5
2000B-267	375915.06	6116255.00	6330	58	9	32	6	3	1	0.1	1	2	0.01	0.03	1	3.7	0.4	3	4

Sample Site	UTM		S.Q. Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	S.Q. Hg	Th	U	Co	Ni
	Easting	Northing	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2000B-268	378764.00	6115647.00	2760	56	7	8	2	3	1	0.1	1	1	0.01	0.03	1	7.2	0.8	8	5
2000B-269	375817.69	6117177.00	9310	51	4	36	4	3	1	0.1	1	2	0.01	0.03	1	3.4	0.4	3	7
2000B-270	375674.28	6118785.50	14900	137	37	109	7	5	1	0.1	1	2	0.01	0.03	1	4.2	1.0	7	12
2000B-271	372623.97	6120092.00	8830	55	11	20	5	3	1	0.1	1	1	0.01	0.03	1	23.1	1.3	8	6
2000B-272	381917.66	6115401.50	8110	67	22	119	7	3	1	0.1	1	2	0.01	0.03	1	5.8	1.7	3	13
2000B-273	379539.09	6113473.00	13800	120	20	72	5	3	10	0.1	1	2	0.01	0.03	1	4.6	0.9	6	8
2000B-274	378643.41	6113610.00	4190	52	8	9	2	3	1	0.1	1	2	0.01	0.03	1	8.2	0.7	7	4
2000B-275	376090.72	6109961.00	6460	58	4	38	7	3	2	0.1	1	2	0.01	0.03	1	2.4	0.5	2	6
2000B-276	376198.66	6110938.00	1000	57	6	21	2	3	1	0.1	1	1	0.01	0.03	1	8.2	1.0	3	2
2000B-277	376521.69	6112449.50	1000	49	4	11	1	3	1	0.1	1	1	0.01	0.03	1	6.7	0.9	6	3
2000B-278	375920.22	6119958.50	1000	58	5	18	1	3	1	0.1	1	1	0.01	0.03	1	3.8	0.9	8	2
2000B-279	380540.75	6121179.00	4710	49	8	11	2	3	1	0.1	1	1	0.01	0.03	1	11.4	1.0	5	3
2000B-280	377783.25	6117499.50	5010	58	23	68	5	3	1	0.1	1	1	0.01	0.03	1	6.3	1.3	15	14
2000B-281-1 Field Duplicate	375405.56	6111977.50	5320	59	20	15	3	3	1	0.1	1	1	0.01	0.03	1	3.4	0.6	9	4
2000B-281-2 Field Duplicate	375405.56	6111977.50	2200	86	1	6	1	3	1	0.1	1	1	0.01	0.03	1	1.1	0.4	13	6
2000B-282	374344.63	6110827.50	2170	30	1	7	1	3	1	0.1	1	1	0.01	0.03	1	4.1	0.7	4	4
2000B-283	372750.41	6110253.50	14900	77	23	67	5	6	1	0.1	1	2	0.01	0.03	1	7.8	1.1	6	10
2000B-284	371076.44	6112518.50	3220	52	3	32	1	3	1	0.1	1	2	0.01	0.03	1	4.7	0.8	3	2
2000B-285	373327.72	6114286.50	3410	62	14	25	3	3	1	0.1	1	1	0.01	0.03	1	12.1	1.1	11	3
2000B-286	371991.28	6112810.50	4060	51	1	7	1	3	1	0.1	1	1	0.01	0.03	1	0.9	0.3	8	5
2000B-287	377537.22	6113875.00	1000	44	1	10	1	3	1	0.1	1	1	0.01	0.03	1	4.3	0.7	8	8
2000B-288	377012.94	6113260.00	1000	55	1	5	1	3	1	0.1	1	1	0.01	0.03	1	1.7	0.5	6	5
2000B-289	377610.78	6110969.00	11900	349	52	194	9	5	4	0.4	1	2	0.01	0.03	1	7.9	1.0	5	14
2000B-290	382417.03	6114793.00	5660	114	14	177	10	3	1	0.5	1	3	0.01	0.03	1	3.2	0.6	6	12
2000B-291	383696.41	6115010.50	8310	81	14	89	9	3	26	0.1	1	3	0.01	0.03	1	3.4	0.5	6	10
2000B-292	385936.47	6116781.00	13200	68	11	59	3	3	1	0.1	1	2	0.01	0.03	1	2.7	0.5	3	5
2000B-293	385024.91	6115886.00	6970	56	12	66	6	3	1	0.1	1	3	0.01	0.03	1	1.4	0.3	7	10
2000B-294	388431.34	6117653.00	3990	50	7	49	5	3	1	0.1	1	2	0.01	0.03	1	1.5	0.5	4	6
2000B-295	390772.88	6115942.50	1000	82	11	20	2	3	1	0.1	1	2	0.01	0.03	1	6.1	0.8	5	2
2000B-296	388906.22	6116341.50	10600	72	9	64	4	3	1	0.1	1	2	0.01	0.03	1	1.9	0.6	1	3
2000B-297	392777.22	6119550.50	13400	68	4	39	6	3	3	0.1	1	2	0.01	0.03	1	2.0	0.4	6	7
2000B-298	386844.25	6118304.50	8000	28	1	34	5	3	1	0.1	1	2	0.01	0.03	1	3.6	0.4	5	15
2000B-299	389554.72	6118795.50	1000	124	15	60	3	3	2	0.1	1	2	0.01	0.03	1	2.1	0.4	6	4
2000B-300	397789.06	6120371.50	1000	48	11	32	2	3	1	0.1	1	1	0.01	0.03	1	6.8	0.9	18	4
2000B-301	397379.28	6115475.50	2800	37	1	44	3	3	1	0.1	1	2	0.01	0.03	1	3.8	0.6	4	2
2000B-302	398199.97	6115605.50	9190	55	8	29	3	3	1	0.1	1	2	0.01	0.03	1	9.6	1.1	8	9
2000B-303	399031.28	6117196.50	5840	58	22	74	6	3	15	0.8	1	2	0.01	0.03	1	1.3	1.0	2	6
2000B-304	399059.47	6121780.00	8830	59	17	42	6	3	7	0.4	1	3	0.01	0.03	1	2.1	0.7	4	10
2000B-305	394394.06	6121113.00	6300	174	24	52	5	3	3	0.2	1	2	0.01	0.03	1	4.2	0.3	2	4
2000B-306	395742.28	6120763.00	13800	138	29	78	5	3	6	0.2	1	2	0.01	0.03	1	4.5	0.5	3	7
2000B-307	401533.19	6115214.50	4380	63	10	36	5	3	4	0.2	1	2	0.01	0.03	1	2.3	0.3	3	4
2000B-308	388801.19	6121654.50	7170	43	8	51	2	3	3	0.2	1	2	0.01	0.03	1	2.9	0.6	4	5
2000B-309	391428.59	6122577.50	13300	117	14	42	6	3	19	0.2	1	3	0.01	0.03	1	6.9	0.6	4	7
2000B-310-1 Field Duplicate	386862.44	6121457.50	7350	591	52	103	7	3	5	0.4	1	2	0.01	0.03	1	10.6	0.7	9	9
2000B-310-2 Field Duplicate	386862.44	6121457.50	2430	406	38	67	7	3	3	0.3	1	2	0.01	0.03	1	5.4	0.5	7	9
2000B-311	396860.28	6124033.50	9660	197	26	70	6	3	5	0.5	1	2	0.01	0.03	1	4.9	0.4	12	5
2000B-312	401764.13	6124868.00	1000	46	7	43	6	3	2	0.2	1	2	0.01	0.03	1	2.3	0.5	4	9
2000B-313	401949.66	6123755.50	12100	53	5	40	7	3	1	0.1	1	2	0.01	0.03	1	1.4	0.3	4	8
2000B-315	394579.59	6115052.50	8130	41	5	67	5	6	13	0.3	1	2	0.02	0.03	1	1.2	1.8	4	8

Sample Site	UTM		S.Q. Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	S.Q. Hg	Th	U	Co	Ni
	Easting	Northing	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2000B-316	393563.53	6115607.50	12700	61	13	67	8	3	3	0.1	1	2	0.01	0.03	1	1.6	0.8	2	5
2000B-317	395119.63	6116693.00	7080	46	4	29	5	3	1	0.1	1	2	0.01	0.03	1	2.0	0.4	2	5
2000B-319	392888.03	6114085.00	5660	49	4	92	7	3	3	0.1	1	2	0.01	0.03	1	3.9	0.4	1	6
2000B-320	393461.94	6117975.00	8370	41	11	79	5	3	48	0.3	1	2	0.01	0.03	1	1.0	1.1	4	7
2000B-321	395662.72	6119171.50	6700	107	19	47	5	3	1	0.1	1	1	0.01	0.03	1	13.0	1.3	5	8
2000B-324	405468.59	6118863.50	2860	257	81	184	10	3	4	0.6	1	3	0.01	0.03	1	4.6	1.2	4	9
2000B-325	402728.47	6116397.00	7370	81	11	71	4	3	1	0.1	1	2	0.01	0.03	1	1.9	0.4	1	3
2000B-326	403152.28	6115757.50	11200	166	26	174	10	3	3	0.1	1	2	0.01	0.03	1	10.3	0.8	5	12
2000B-327	401644.22	6117724.00	5010	27	1	6	1	3	1	0.1	1	1	0.01	0.03	1	2.0	0.5	9	7
2000B-328	399453.69	6113119.50	2600	83	10	12	2	3	1	0.1	1	1	0.01	0.03	1	8.2	0.9	34	27
2000B-329-1 Field Duplicate	399739.69	6116073.00	5870	43	3	31	4	3	1	0.1	1	2	0.01	0.03	1	3.6	0.4	2	2
2000B-329-2 Field Duplicate	399739.69	6116073.00	6370	68	7	30	5	3	1	0.1	1	2	0.01	0.03	1	3.6	0.3	3	4
2000B-330	400493.94	6121466.50	5980	64	18	82	9	3	2	0.4	1	2	0.01	0.03	1	2.4	0.6	6	8
2000B-331	397631.47	6122161.50	8120	63	15	50	7	3	1	0.1	1	3	0.01	0.03	1	2.0	0.4	3	10
2000B-332	388402.53	6110279.50	4150	28	6	7	1	3	1	0.1	1	1	0.01	0.03	1	2.0	0.4	5	3
2000B-333	388990.78	6111278.50	4620	46	1	22	5	3	1	0.2	1	2	0.01	0.03	1	5.0	0.5	2	4
2000B-334	388337.50	6112415.00	6120	33	5	99	8	3	5	0.1	1	3	0.01	0.03	1	1.4	0.6	3	8
2000B-335	387047.66	6109799.50	8110	53	2	36	6	3	1	0.1	1	2	0.01	0.03	1	1.2	0.4	3	6
2000B-336	386319.13	6111064.50	6140	42	3	54	9	3	1	0.1	1	2	0.01	0.03	1	1.8	0.4	3	3
2000B-337	382498.38	6109258.00	10000	46	1	72	8	3	4	0.1	1	2	0.01	0.03	1	0.9	0.6	5	7
2000B-338	380640.72	6106839.00	4260	192	24	169	7	3	2	0.2	1	2	0.01	0.03	1	1.9	0.5	6	10
2000B-339	384452.22	6121046.00	5490	110	12	53	8	3	1	0.1	1	2	0.01	0.03	1	7.4	0.7	4	6
2000B-340	378880.78	6116494.50	1000	100	1	5	1	3	1	0.1	1	1	0.01	0.03	1	0.3	0.2	5	6
2000B-341	378317.00	6120022.00	7830	51	12	37	7	3	1	0.1	1	2	0.01	0.03	1	2.2	0.5	2	5
2000B-342	380948.22	6114359.50	1000	40	1	36	1	3	1	0.1	1	1	0.01	0.03	1	0.3	0.3	9	2
2000B-343	374800.81	6116438.50	1000	53	1	18	1	3	1	0.1	1	1	0.01	0.03	1	2.0	0.5	10	2
2000B-344	374923.78	6117839.50	1000	199	17	83	5	3	1	0.1	1	1	0.01	0.03	1	1.6	0.2	3	4
2000B-345-1 Field Duplicate	373345.66	6119686.50	6870	66	26	26	5	3	1	0.1	1	2	0.01	0.03	1	4.4	0.4	2	4
2000B-345-2 Field Duplicate	373345.66	6119686.50	6390	84	6	32	5	3	1	0.1	1	2	0.01	0.03	1	3.2	0.3	2	4
2000B-346	370761.88	6118036.00	1000	63	1	11	3	3	1	0.1	1	1	0.01	0.03	1	3.5	0.5	16	15
2000B-347	372443.16	6117141.00	4300	31	17	52	7	3	15	0.1	1	2	0.01	0.03	1	1.8	0.7	2	5
2000B-348	370122.25	6116112.50	6040	455	26	195	7	3	2	0.3	1	2	0.01	0.03	1	2.0	0.6	2	7
2000B-349	371728.59	6114122.50	7510	83	9	52	7	3	1	0.1	1	2	0.01	0.03	1	2.5	0.4	1	4
2000B-350	402081.97	6122364.50	10000	44	25	60	7	3	14	0.8	1	2	0.01	0.03	1	1.5	0.6	3	9
2000B-351	396866.97	6123412.50	9590	58	16	26	5	3	4	0.4	1	3	0.02	0.03	1	1.2	0.4	4	5
2000B-352	394480.94	6124486.00	6450	47	20	22	5	3	32	0.1	1	2	0.01	0.03	1	1.2	0.4	2	2
2000B-353	396067.84	6125747.00	6520	31	8	15	2	3	3	0.1	1	2	0.01	0.03	1	4.0	0.5	5	7
2000B-354	392236.41	6123705.50	10100	39	5	53	3	3	1	0.2	1	2	0.01	0.03	1	2.6	0.3	2	35
2000B-355	393649.88	6123363.00	2980	32	4	18	3	3	1	0.1	1	2	0.01	0.03	1	2.7	0.3	3	6
2000B-356	378960.09	6100575.00	2430	48	10	48	8	3	1	0.2	1	3	0.01	0.03	1	1.6	0.4	3	6
2000B-357	382146.16	6101546.50	10200	319	34	71	6	3	4	0.4	1	3	0.01	0.03	1	2.3	0.4	2	7
2000B-358	384700.47	6100007.50	5450	89	54	71	7	3	44	0.2	1	3	0.01	0.03	1	1.4	0.3	6	20
2000B-359	377622.44	6094664.00	2880	34	7	7	1	3	1	0.1	1	1	0.01	0.03	1	2.5	0.5	7	5
2000B-360	377658.47	6095328.00	10100	88	18	81	6	3	1	0.1	1	2	0.01	0.03	1	9.7	0.7	4	10
2000B-361	376265.22	6096775.50	10600	148	20	59	5	3	4	0.2	1	2	0.01	0.03	1	5.8	0.6	6	6
2000B-362	380254.41	6098643.00	9090	114	17	66	6	3	5	0.2	1	2	0.01	0.03	1	2.7	0.3	7	7
2000B-363	381867.97	6099542.00	14400	101	29	170	10	3	3	0.4	1	3	0.01	0.03	1	5.9	0.5	12	22
2000B-364	382689.63	6104796.00	12000	55	6	31	8	3	1	0.1	1	3	0.01	0.03	1	3.0	0.4	5	6
2000B-365	376956.47	6105531.50	9710	62	11	41	6	3	4	0.1	1	3	0.01	0.03	1	2.1	0.5	2	7

Sample Site	UTM		S.Q. Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	S.Q. Hg	Th	U	Co	Ni
	Easting	Northing	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2000B-366	376100.69	6107566.50	8320	60	10	52	4	3	1	0.2	1	2	0.01	0.03	1	1.3	0.4	2	5
2000B-367	378498.88	6109643.00	6600	101	7	39	4	3	1	0.1	1	2	0.01	0.03	1	1.7	0.3	3	3
2000B-368	375676.59	6109114.50	8250	147	16	98	7	3	2	0.2	1	2	0.01	0.03	1	2.1	0.5	8	9

Sample Site	Cu	Zn	Pb	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi	S.Q. Ti	S.Q. Cr	Y	Zr	Nb	Hf	Ta	La	Ce	Pr
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2000B-1	15	34	4	2	0.3	0.1	0.2	0.1	0.4	0.1	0.4	164	10	9.7	14	1.1	0.3	0.1	12.0	18.7	3.4
2000B-2	22	146	6	3	0.3	0.1	0.5	0.1	1.0	0.1	0.4	503	10	18.3	50	2.1	1.4	0.2	25.5	57.7	7.5
2000B-3	49	59	3	1	0.7	0.1	0.5	0.1	0.4	0.1	0.4	50	10	40.8	59	1.3	1.4	0.2	54.2	60.6	13.8
2000B-4	30	70	4	2	0.3	0.2	0.6	0.1	0.4	0.1	0.4	419	10	34.5	97	2.0	2.4	0.2	41.7	81.9	15.9
2000B-5	22	71	9	4	0.3	0.1	0.1	0.1	0.4	0.3	0.4	1270	10	13.1	110	5.0	1.8	0.4	26.7	61.4	8.2
2000B-6	32	28	4	4	0.3	0.1	0.1	0.1	0.4	0.1	0.4	197	10	29.0	30	0.5	0.7	0.1	47.7	60.2	13.4
2000B-8	18	5	2	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	115	10	7.6	11	0.5	0.2	0.1	14.3	19.2	3.6
2000B-9	33	5	2	3	0.3	0.1	0.8	0.1	1.0	0.1	0.4	134	10	15.0	22	0.5	0.6	0.1	25.4	27.4	6.8
2000B-10	83	5	2	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	142	10	35.9	37	1.2	0.8	0.1	59.4	56.6	14.4
2000B-11	21	5	2	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	255	10	10.8	30	1.4	0.8	0.2	18.3	27.6	6.1
2000B-12	44	5	2	2	0.3	0.1	0.5	0.1	0.4	0.1	0.4	128	10	9.0	15	0.5	0.3	0.1	13.8	20.6	3.3
2000B-13	44	16	2	3	0.3	0.1	0.3	0.1	0.4	0.1	0.4	121	10	28.4	25	0.5	0.7	0.1	42.5	39.4	9.7
2000B-14	33	38	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	122	10	22.4	26	1.3	0.8	0.2	33.9	44.4	9.6
2000B-15	50	11	1	1	0.3	0.1	0.4	0.1	0.4	0.1	0.4	156	10	17.4	33	1.6	0.8	0.2	25.4	29.0	7.1
2000B-16-1 Field Duplicate	28	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	182	10	11.2	11	0.5	0.3	0.1	20.3	24.1	5.5
2000B-16-2 Field Duplicate	18	5	1	3	0.3	0.1	0.4	0.1	0.4	0.1	0.4	50	10	13.6	13	0.5	0.3	0.1	22.2	28.9	5.2
2000B-17	25	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	3.8	6	0.5	0.1	0.1	7.9	12.2	1.7
2000B-18	71	43	2	5	0.3	0.1	0.3	0.1	0.4	0.1	0.4	213	10	29.4	27	1.1	0.6	0.1	51.5	47.9	12.2
2000B-24	49	5	1	2	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	33.8	28	1.1	0.6	0.2	47.2	47.0	11.1
2000B-25	37	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	133	10	25.9	41	1.1	0.9	0.2	38.6	29.8	10.8
2000B-26	26	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	106	10	36.3	26	0.5	0.8	0.1	62.9	51.2	15.5
2000B-27	20	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	132	10	13.8	16	0.5	0.4	0.1	23.5	26.8	6.0
2000B-28	46	5	1	2	0.3	0.1	0.1	0.1	0.4	0.1	0.4	140	10	8.0	15	1.3	0.4	0.1	10.9	13.3	3.0
2000B-29	56	5	2	4	0.3	0.1	0.1	0.1	0.4	0.2	0.4	192	10	7.3	18	1.0	0.4	0.2	11.8	18.7	3.2
2000B-30	54	5	1	2	0.3	0.1	0.2	0.1	0.4	0.1	0.4	140	10	9.9	25	0.5	0.6	0.1	13.1	22.4	3.2
2000B 31	33	5	2	2	0.5	0.1	0.3	0.1	0.4	0.1	0.4	155	10	57.6	53	1.2	1.5	0.1	88.2	97.8	22.8
2000B-33	28	5	2	4	0.3	0.1	0.1	0.1	0.4	0.2	0.4	196	10	21.1	21	0.5	0.6	0.1	32.3	38.9	7.9
2000B-34	13	5	1	1	0.3	0.1	0.6	0.1	0.4	0.1	0.4	50	10	9.1	9	0.5	0.2	0.1	15.0	22.8	3.8
2000B-35-1 Field Duplicate	21	11	1	1	0.3	0.1	0.6	0.1	0.4	0.1	0.4	162	10	15.2	11	1.2	0.4	0.1	21.8	43.7	6.0
2000B-35-2 Field Duplicate	14	5	1	2	0.3	0.1	0.1	0.1	0.4	0.1	0.4	111	10	16.3	14	0.5	0.4	0.1	24.0	36.7	6.6
2000B-36	41	5	1	4	0.3	0.1	0.5	0.1	0.4	0.1	0.4	50	10	4.0	7	0.5	0.2	0.1	7.4	11.2	1.7
2000B-37	68	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	123	10	9.0	18	1.1	0.4	0.2	15.1	20.8	4.0
2000B-38	81	5	2	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	181	10	26.5	43	1.5	1.0	0.2	38.6	51.1	10.9
2000B-39	36	5	1	1	0.3	0.1	0.3	0.1	0.4	0.1	0.4	50	10	18.9	34	1.1	0.7	0.2	32.0	32.3	7.4
2000B-40	22	12	2	3	0.3	0.1	0.4	0.1	0.4	0.1	0.4	204	10	33.5	64	1.4	2.0	0.1	51.2	115.0	13.4
2000B-41	40	5	2	1	0.3	0.2	0.3	0.1	1.3	0.1	0.4	304	10	52.2	74	2.2	1.8	0.2	84.0	132.0	24.7
2000B-42	47	5	2	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	214	10	10.7	22	0.5	0.6	0.1	21.2	32.0	5.1
2000B-43	45	17	2	4	0.3	0.1	0.6	0.1	0.4	0.1	0.4	134	10	33.5	39	1.1	0.9	0.2	47.7	38.1	13.0
2000B-44	90	43	2	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	205	10	15.4	29	1.4	0.6	0.2	25.7	27.0	6.4
2000B-45	219	5	2	7	0.3	0.1	0.6	0.1	0.4	0.1	0.4	221	10	5.5	11	0.5	0.3	0.2	10.7	14.3	2.3
2000B-46	90	104	2	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	178	10	35.1	57	1.4	1.6	0.1	52.0	91.1	15.4
2000B-47	59	5	1	2	0.3	0.1	0.1	0.1	0.4	0.1	0.4	121	10	12.5	26	0.5	0.5	0.1	18.9	28.1	5.0

Sample Site	Cu	Zn	Pb	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi	S.Q. Ti	S.Q. Cr	Y	Zr	Nb	Hf	Ta	La	Ce	Pr
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2000B-48	52	19	2	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	126	10	15.8	27	1.1	0.5	0.2	25.7	18.1	5.7
2000B-49	92	5	2	3	0.3	0.1	0.2	0.1	0.4	0.1	0.4	140	10	6.6	18	0.5	0.4	0.1	11.8	14.7	2.6
2000B-50	30	5	1	1	0.3	0.1	0.3	0.1	0.4	0.1	0.4	50	10	3.7	8	0.5	0.2	0.1	6.4	10.3	1.5
2000B-51	29	5	1	2	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	21.7	21	1.0	0.5	0.1	27.2	35.3	8.0
2000B-52	88	5	6	1	0.3	0.1	0.1	0.1	0.4	0.4	0.4	50	10	5.7	6	1.4	0.2	0.4	6.0	10.0	1.8
2000B-53-1 Field Duplicate	31	5	3	1	0.3	0.1	0.1	0.1	0.4	0.1	1.6	50	10	13.9	22	0.5	0.6	0.2	20.3	20.0	6.1
2000B-53-2 Field Duplicate	34	5	2	1	0.3	0.1	0.2	0.1	0.4	0.1	1.3	125	10	12.3	19	0.5	0.5	0.2	18.5	27.2	5.1
2000B-54	26	5	2	2	0.3	0.1	0.1	0.1	0.4	0.1	0.4	143	10	6.2	15	0.5	0.3	0.2	10.9	18.1	2.8
2000B-55	51	11	2	3	0.3	0.1	0.1	0.1	1.9	0.1	0.4	50	10	4.4	13	0.5	0.3	0.2	7.4	14.1	1.7
2000B-56	47	5	2	1	0.3	0.1	0.5	0.1	0.4	0.1	0.4	113	10	4.6	13	0.5	0.3	0.1	6.7	12.4	1.7
2000B-57	25	5	1	1	0.3	0.1	0.3	0.1	0.4	0.1	0.9	50	10	8.4	11	0.5	0.3	0.2	12.6	19.2	3.0
2000B-58	51	5	2	3	0.3	0.1	0.1	0.1	0.4	0.1	0.4	104	10	7.9	13	1.1	0.3	0.2	15.5	21.5	3.7
2000B-60	30	5	3	5	0.3	0.1	0.1	0.1	0.4	0.1	0.4	511	10	27.0	68	2.7	2.0	0.2	34.8	75.5	12.0
2000B-61	42	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	12.9	18	0.5	0.5	0.1	17.4	33.7	5.0
2000B-62	29	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	4.7	10	0.5	0.3	0.1	8.0	15.2	2.1
2000B-63	62	19	3	5	0.5	0.3	0.1	0.1	0.4	0.1	0.4	225	10	69.1	138	1.9	2.4	0.2	99.7	189.0	27.5
2000B-64	32	14	3	1	0.3	0.1	0.3	0.1	0.4	0.1	0.4	196	10	43.3	56	1.1	1.4	0.1	67.7	80.8	16.6
2000B-65	23	5	2	1	0.3	0.1	0.1	0.1	0.4	0.1	1.5	50	10	26.7	35	1.2	0.9	0.2	37.6	49.9	8.6
2000B-66	31	11	2	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	176	10	37.9	47	1.1	1.1	0.1	53.7	78.5	17.0
2000B-67	38	5	2	2	0.3	0.1	0.6	0.1	0.4	0.1	0.4	113	10	55.5	71	1.2	1.8	0.2	82.7	115.0	20.7
2000B-68	34	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	103	10	20.6	34	0.5	0.9	0.2	35.2	53.0	8.4
2000B-69-1 Field Duplicate	46	5	2	3	0.5	0.1	0.3	0.1	0.4	0.1	0.4	231	10	50.0	73	1.5	1.6	0.2	71.7	88.8	21.7
2000B-69-2 Field Duplicate	41	5	2	3	0.3	0.1	0.6	0.1	0.4	0.1	0.4	210	10	42.8	45	1.3	0.9	0.1	62.7	69.0	17.0
2000B-71	33	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	37.9	45	0.5	1.1	0.2	56.4	52.6	15.6
2000B-72	26	5	2	2	0.3	0.1	0.1	0.1	0.4	0.1	0.4	141	10	9.7	19	0.5	0.6	0.2	18.4	23.3	4.3
2000B-73	25	5	1	1	0.3	0.1	0.2	0.1	0.4	0.1	0.4	50	10	6.0	15	0.5	0.3	0.1	9.6	14.6	2.4
2000B-74	31	72	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	2.9	6	0.5	0.1	0.1	4.8	9.4	1.3
2000B-75	31	5	2	3	0.3	0.1	0.4	0.1	1.0	0.1	0.4	249	10	20.8	69	1.6	1.7	0.2	30.8	53.5	9.1
2000B-76-1 Field Duplicate	26	5	1	1	0.3	0.1	0.4	0.1	0.4	0.1	0.4	110	10	5.8	13	1.0	0.3	0.2	9.4	15.2	2.5
2000B-76-2 Field Duplicate	35	17	1	1	0.3	0.1	0.4	0.1	0.4	0.1	0.4	50	10	6.2	13	0.5	0.3	0.2	10.7	12.5	2.5
2000B-77	17	34	2	1	0.3	0.1	0.8	0.1	0.4	0.3	0.4	183	10	7.5	28	0.5	0.8	0.1	16.4	31.9	4.2
2000B-78	32	18	4	4	0.3	0.1	0.1	0.1	0.4	0.1	0.4	445	10	39.3	75	2.9	1.7	0.2	67.1	124.0	19.8
2000B-79	32	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	132	10	10.7	17	1.3	0.4	0.3	17.7	27.4	4.4
2000B-80	18	19	2	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	205	10	6.2	22	1.5	0.7	0.1	15.7	26.0	3.1
2000B-81	23	5	2	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	27.1	47	1.1	1.0	0.2	38.7	28.0	9.4
2000B-82	30	13	5	6	0.6	0.1	0.1	0.1	0.4	0.1	0.4	611	10	39.4	64	3.2	1.5	0.4	70.5	48.7	19.1
2000B-83	25	5	1	3	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	16.8	27	0.5	0.5	0.2	25.8	15.1	5.5
2000B-84	37	5	1	1	0.3	0.1	0.5	0.1	0.4	0.1	0.4	50	10	20.7	38	0.5	0.9	0.1	30.1	32.9	7.5
2000B-85	29	5	1	2	0.3	0.1	0.2	0.1	0.4	0.1	0.4	50	10	3.7	7	0.5	0.2	0.1	7.1	7.9	1.4
2000B-86	15	42	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	230	10	10.2	42	1.3	1.1	0.1	14.5	37.3	5.3
2000B-87	20	25	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	7.9	19	0.5	0.5	0.2	11.8	23.2	3.5
2000B-88	31	24	5	5	0.3	0.1	0.1	0.1	0.4	0.2	0.4	724	10	20.9	58	3.4	1.8	0.4	47.7	76.1	13.3
2000B-89	9	10	2	1	0.3	0.1	0.3	0.1	0.4	0.2	0.4	350	10	12.2	21	2.2	0.7	0.1	31.8	55.1	6.9
2000B-90	84	13	2	2	0.5	0.3	0.2	0.1	0.4	0.1	0.4	207	10	69.5	133	2.5	2.5	0.2	98.7	138.0	25.1
2000B-91	92	29	1	2	0.3	0.1	0.5	0.1	0.4	0.1	0.4	50	10	14.1	35	0.5	0.7	0.1	16.9	23.0	4.4
2000B-93	77	14	2	6	0.5	0.4	0.1	0.1	0.4	0.1	0.4	525	10	89.7	177	3.1	4.2	0.2	103.0	191.0	35.2
2000B-94	37	23	1	2	0.3	0.1	0.3	0.1	0.4	0.1	0.4	105	10	28.3	46	0.5	1.1	0.1	35.0	55.8	9.6
2000B-96	18	26	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	9.0	15	0.5	0.4	0.1	11.8	19.1	3.5
2000B-97	26	5	5	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	116	10	5.0	5	0.5	0.2	0.2	6.9	12.2	1.9

Sample Site	Cu	Zn	Pb	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi	S.Q. Ti	S.Q. Cr	Y	Zr	Nb	Hf	Ta	La	Ce	Pr
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2000B-98	31	5	5	2	0.3	0.1	0.4	0.1	0.4	0.1	0.4	286	10	32.7	96	1.9	2.1	0.1	41.9	83.5	13.1
2000B-99	144	18	5	4	0.3	0.1	0.1	0.1	0.4	0.1	0.4	388	10	12.9	37	2.2	0.8	0.3	21.4	41.9	5.2
2000B-100	60	11	4	2	0.3	0.1	0.8	0.1	0.4	0.5	0.4	167	10	10.9	21	0.5	0.5	0.2	19.8	43.3	5.7
2000B-101	171	5	8	2	0.3	0.1	0.2	0.1	0.4	0.1	1.0	193	10	15.9	31	1.6	0.6	0.2	23.3	53.3	6.5
2000B-102-1 Field Duplicate	43	26	4	2	0.3	0.1	0.1	0.1	0.4	0.1	1.0	135	10	11.5	16	0.5	0.4	0.2	16.0	31.0	4.2
2000B-102-2 Field Duplicate	23	5	3	1	0.3	0.1	0.1	0.1	0.4	0.1	1.0	160	10	20.8	18	0.5	0.5	0.1	38.9	58.1	10.0
2000B-103	74	20	3	5	0.6	0.1	0.2	0.1	0.4	0.1	0.4	294	10	53.1	106	2.3	2.1	0.2	75.0	153.0	20.2
2000B-104	49	5	3	2	0.3	0.1	0.4	0.1	0.4	0.3	1.1	265	10	19.6	40	1.6	0.9	0.2	29.1	57.5	6.9
2000B-105	49	12	4	1	0.3	0.1	0.6	0.1	0.4	0.1	0.4	221	10	29.3	82	1.9	1.8	0.2	46.5	81.5	12.3
2000B-106	89	5	3	2	0.3	0.1	0.3	0.1	0.4	0.1	0.4	191	10	11.0	34	1.2	0.8	0.2	19.3	34.1	4.3
2000B-107	67	5	2	1	0.3	0.1	0.1	0.1	0.4	0.2	0.4	125	10	5.6	14	0.5	0.3	0.1	10.9	25.2	2.9
2000B-108	52	5	2	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	4.6	19	0.5	0.4	0.1	7.8	15.9	1.9
2000B-109	40	5	2	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	7.8	22	0.5	0.5	0.1	11.5	21.7	2.8
2000B-110	80	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	107	10	8.6	16	0.5	0.3	0.1	11.4	16.2	2.9
2000B-112	104	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	141	10	5.8	17	0.5	0.2	0.1	9.1	17.5	2.4
2000B-113	47	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	127	10	4.7	12	0.5	0.2	0.1	8.1	15.5	2.1
2000B-114	41	5	1	4	0.3	0.1	0.1	0.1	0.4	0.1	0.8	210	10	6.2	18	1.1	0.3	0.2	9.3	18.6	2.5
2000B-115	59	16	2	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	153	10	4.6	72	15.6	1.6	0.2	7.1	14.2	1.7
2000B-116	56	11	3	3	0.3	0.1	0.6	0.1	0.4	0.1	0.4	850	10	6.1	56	4.6	1.6	0.2	10.3	26.0	3.0
2000B-117	26	5	2	1	0.3	0.1	0.3	0.1	0.4	0.1	1.2	196	10	20.6	22	1.6	0.7	0.1	33.1	47.7	8.8
2000B-118	64	5	1	1	0.3	0.1	0.5	0.1	0.4	0.2	0.4	149	10	4.6	11	0.5	0.3	0.1	9.2	16.3	2.0
2000B-119	49	26	2	1	0.3	0.1	0.1	0.1	0.4	0.2	0.4	146	10	2.9	9	0.5	0.2	0.1	6.2	11.0	1.2
2000B-120	70	5	1	1	0.3	0.1	0.4	0.1	0.4	0.1	0.4	50	10	4.8	11	0.5	0.2	0.1	7.3	14.1	1.7
2000B-121	71	5	2	1	0.3	0.1	0.3	0.1	0.4	0.1	1.1	136	10	19.2	41	1.4	0.9	0.2	30.4	55.1	8.0
2000B-122	22	25	2	3	0.3	0.1	0.1	0.1	0.4	0.1	0.4	157	10	11.7	21	0.5	0.5	0.1	18.5	27.6	4.3
2000B-124	16	22	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	146	10	8.2	11	1.3	0.3	0.1	13.5	20.2	3.5
2000B-125	24	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	152	10	9.8	26	1.3	0.6	0.2	14.8	27.1	4.0
2000B-126	65	21	2	4	0.5	0.1	0.4	0.1	0.4	0.1	0.4	422	10	47.1	81	2.3	1.7	0.2	58.9	99.9	16.9
2000B-127	218	36	2	2	0.3	0.1	0.1	0.1	0.4	0.1	0.4	214	10	10.5	19	0.5	0.4	0.1	15.4	26.0	3.7
2000B-128	99	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	5.7	14	0.5	0.3	0.1	9.9	19.2	2.4
2000B-129	33	5	1	2	0.3	0.1	0.3	0.1	0.4	0.1	0.4	50	10	7.3	10	0.5	0.3	0.1	11.2	15.6	2.6
2000B-130-1 Field Duplicate	71	20	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	105	10	4.3	10	0.5	0.2	0.1	8.3	12.6	1.8
2000B-130-2 Field Duplicate	82	5	1	2	0.3	0.2	0.1	0.1	0.4	0.1	0.4	100	10	4.0	126	0.5	2.7	0.1	7.8	12.4	1.8
2000B-131	50	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	174	10	10.8	28	0.5	0.5	0.1	14.0	15.9	3.7
2000B-132	185	5	1	1	0.3	0.1	0.3	0.1	0.4	0.1	0.4	144	10	5.6	12	0.5	0.3	0.1	8.4	14.5	2.0
2000B-133	108	5	1	1	0.3	0.1	0.2	0.1	0.4	0.1	0.4	152	10	5.8	10	0.5	0.3	0.1	10.9	15.9	2.6
2000B-134	84	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	143	10	4.3	13	1.0	0.3	0.2	7.4	13.8	1.8
2000B-135	40	5	3	3	0.3	0.1	0.6	0.1	0.4	0.1	0.4	669	10	24.7	112	2.7	3.2	0.2	39.1	105.0	11.7
2000B-136	49	5	2	1	0.3	0.1	0.4	0.1	0.4	0.1	0.4	156	10	7.5	19	0.5	0.5	0.1	13.2	32.7	3.7
2000B-137-1 Field Duplicate	66	5	2	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	140	10	15.2	26	1.1	0.5	0.2	23.5	26.2	5.6
2000B-137-2 Field Duplicate	41	5	1	1	0.3	0.1	0.5	0.1	0.4	0.1	1.2	115	10	11.5	23	0.5	0.6	0.2	18.8	18.7	4.3
2000B-138	40	5	1	1	0.3	0.1	0.4	0.1	0.4	0.1	0.4	140	10	5.1	13	0.5	0.3	0.1	8.9	10.5	2.1
2000B-139	26	5	1	2	0.3	0.1	0.1	0.1	0.4	0.1	0.4	107	10	6.4	16	0.5	0.3	0.1	8.4	11.3	2.2
2000B-140	10	5	1	1	0.3	0.1	0.1	0.1	0.4	0.2	0.4	50	10	8.1	10	0.5	0.3	0.1	15.5	33.2	4.0
2000B-142	94	5	1	1	0.3	0.1	0.2	0.1	0.4	0.1	0.4	120	10	7.2	10	0.5	0.2	0.1	12.7	21.7	2.8
2000B-143	51	17	6	1	0.3	0.1	0.1	0.1	0.4	0.1	1.9	145	10	16.5	27	1.4	0.7	0.4	21.3	40.0	6.6
2000B-145	33	5	3	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	173	10	30.8	91	1.6	2.4	0.2	48.9	144.0	15.5
2000B-146	30	43	2	1	0.3	0.1	0.5	0.1	0.4	0.3	1.3	184	10	13.0	34	1.0	0.9	0.2	18.6	43.7	5.2
2000B-148	25	37	6	3	0.3	0.1	0.5	0.1	0.4	0.4	0.4	1010	10	6.0	45	3.6	1.4	0.3	15.3	31.2	3.3

Sample Site	Cu	Zn	Pb	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi	S.Q. Ti	S.Q. Cr	Y	Zr	Nb	Hf	Ta	La	Ce	Pr
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2000B-149-1 Field Duplicate	6	18	2	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	4.7	3	0.5	0.1	0.1	11.3	17.6	2.5
2000B-149-2 Field Duplicate	4	5	2	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	3.2	2	0.5	0.1	0.1	6.8	11.8	1.7
2000B-151	40	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	1.3	105	10	4.6	7	0.5	0.2	0.1	7.4	15.0	2.2
2000B-152	22	15	4	3	0.3	0.1	0.3	0.1	0.4	0.2	0.4	654	10	15.9	72	3.7	1.9	0.2	22.8	56.3	9.5
2000B-153	21	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	186	10	23.2	48	1.6	1.3	0.2	35.1	77.2	12.4
2000B-154	58	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	117	10	7.2	16	0.5	0.5	0.2	12.3	23.8	3.5
2000B-155	77	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.9	50	10	13.7	22	0.5	0.4	0.1	27.1	36.4	6.6
2000B-157	34	37	2	1	0.3	0.1	0.5	0.1	0.4	0.1	0.4	330	10	21.6	56	1.8	1.4	0.1	36.9	65.3	10.2
2000B-159	69	34	4	2	0.3	3.6	0.8	0.1	0.4	0.2	1.9	586	10	11.3	56	2.6	1.5	0.6	19.3	36.6	5.1
2000B-160	57	5	3	1	0.3	0.1	0.3	0.1	0.4	0.1	1.1	145	10	10.6	18	1.1	0.4	0.1	18.0	35.5	4.8
2000B-161	34	5	2	1	0.3	0.1	0.1	0.1	0.4	0.1	1.8	50	10	18.2	28	1.1	0.6	0.2	27.9	24.3	7.4
2000B-162	21	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	127	10	6.6	22	0.5	0.4	0.1	9.7	14.3	3.7
2000B-165	13	5	2	1	0.3	0.1	0.4	0.1	0.4	0.3	0.4	252	10	5.2	7	0.5	0.2	0.1	12.2	25.9	2.8
2000B-166	31	5	1	1	0.3	0.1	0.3	0.1	0.4	0.1	1.2	231	10	10.8	10	2.2	0.3	0.2	20.3	47.7	5.9
2000B-167	12	5	2	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	244	10	8.0	11	1.3	0.3	0.1	19.2	34.5	4.9
2000B-169	42	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	110	10	4.8	13	0.5	0.3	0.2	11.9	34.8	2.9
2000B-170	108	22	2	1	0.3	0.1	0.1	0.1	0.4	0.2	0.4	136	10	4.3	20	0.5	0.5	0.1	9.2	15.1	1.8
2000B-171-1 Field Duplicate	53	5	2	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	120	10	2.5	9	0.5	0.2	0.1	4.6	9.2	1.0
2000B-171-2 Field Duplicate	41	5	1	1	0.3	0.1	0.5	0.1	0.4	0.2	0.4	151	10	2.6	10	0.5	0.2	0.1	4.3	8.4	1.0
2000B-173	16	5	1	1	0.3	0.1	0.5	0.1	0.4	0.2	0.4	50	10	3.1	5	0.5	0.2	0.1	5.1	9.6	1.3
2000B-174	12	5	1	1	0.3	0.1	0.1	0.1	0.4	0.3	0.4	50	10	2.9	5	0.5	0.1	0.1	5.2	11.2	1.5
2000B-175	40	5	2	1	0.3	0.1	0.5	0.1	0.4	0.1	0.4	215	10	9.3	35	1.6	0.7	0.2	13.6	28.1	4.0
2000B-177	22	12	2	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	112	10	13.8	21	0.5	0.5	0.1	19.0	22.5	4.9
2000B-178	46	22	1	1	0.3	0.1	0.3	0.1	0.4	0.3	0.4	50	10	3.7	8	0.5	0.2	0.1	6.4	9.6	1.5
2000B-179-1 Field Duplicate	26	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	111	10	3.3	25	0.5	0.5	0.1	5.8	8.4	1.5
2000B-179-2 Field Duplicate	22	5	2	1	0.3	0.1	0.3	0.1	0.4	0.1	0.4	50	10	6.3	15	0.5	0.4	0.1	9.4	9.2	2.4
2000B-180	55	5	2	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	211	10	7.6	14	0.5	0.3	0.1	13.1	13.9	3.3
2000B-182	61	5	1	1	0.3	0.1	0.5	0.1	0.4	0.1	0.4	211	10	6.7	13	0.5	0.2	0.1	11.1	14.6	2.7
2000B-201	22	5	1	1	0.3	0.1	0.2	0.1	0.4	0.1	0.4	109	10	24.1	23	0.5	0.7	0.1	33.5	54.4	9.1
2000B-202	7	5	1	1	0.3	0.1	0.5	0.1	0.4	0.3	0.4	179	10	20.0	29	1.1	1.1	0.1	31.0	102.0	9.5
2000B-203	5	5	2	1	0.3	0.1	0.9	0.1	0.4	0.4	0.4	50	10	5.7	7	0.5	0.3	0.1	9.4	26.1	2.2
2000B-204	47	5	2	1	0.3	0.1	0.2	0.1	0.4	0.1	0.4	188	10	41.7	31	1.0	0.6	0.1	57.1	52.4	15.7
2000B-205	144	31	1	1	0.3	0.1	0.1	0.1	0.4	0.2	0.4	109	10	10.6	18	0.5	0.4	0.1	16.3	17.7	4.1
2000B-206	34	11	2	1	0.3	0.1	0.7	0.1	0.4	0.2	0.4	50	10	7.3	7	0.5	0.3	0.1	12.3	26.6	3.4
2000B-207	53	12	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	114	10	15.8	21	0.5	0.4	0.1	21.3	25.0	6.2
2000B-209	39	5	2	1	0.6	0.1	0.3	0.1	0.4	0.1	0.4	241	10	41.0	84	1.3	2.0	0.1	50.6	103.0	17.7
2000B-210	14	17	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	190	10	26.8	59	1.1	1.1	0.1	34.4	86.3	11.4
2000B-211	64	5	1	2	0.3	0.1	0.1	0.1	0.4	0.1	0.8	148	10	23.7	50	1.1	1.1	0.2	29.9	42.4	9.3
2000B-212	24	22	1	1	0.3	0.1	0.1	0.1	0.4	0.5	0.4	50	10	7.1	13	0.5	0.3	0.1	10.0	13.8	2.9
2000B-213	8	15	2	1	0.3	0.1	1.9	0.1	0.4	0.4	0.4	50	10	6.1	7	0.5	0.3	0.1	9.8	21.9	2.3
2000B-214	20	5	3	1	0.3	0.3	0.5	0.1	0.4	0.1	0.4	197	10	48.8	73	0.5	2.2	0.1	68.1	182.0	23.0
2000B-215	19	16	3	2	0.8	0.1	0.4	0.1	0.4	0.1	0.4	160	10	67.9	44	0.5	1.3	0.1	93.6	143.0	30.3
2000B-216	4	17	13	2	0.3	0.1	1.4	0.1	0.4	0.5	0.4	146	10	4.9	6	0.5	0.3	0.1	6.1	11.4	1.8
2000B-217	9	5	7	1	0.3	0.1	0.4	0.1	0.4	0.1	1.3	50	10	24.8	16	0.5	0.6	0.1	38.0	68.4	9.0
2000B-218-1 Field Duplicate	17	15	3	1	0.3	0.1	0.3	0.1	0.4	0.2	1.0	50	10	8.6	12	0.5	0.4	0.2	11.7	19.9	2.8
2000B-218-1 Field Duplicate	25	5	2	1	0.3	0.1	0.1	0.1	0.4	0.1	0.8	106	10	6.1	12	0.5	0.3	0.1	8.2	14.2	2.3
2000B-219	14	11	2	1	0.3	0.1	0.2	0.1	0.4	0.1	1.4	50	10	14.9	14	0.5	0.4	0.1	20.2	40.4	6.1
2000B-220	47	5	2	1	0.3	0.1	0.1	0.1	0.4	0.1	1.5	230	10	44.0	44	1.6	1.4	0.2	62.2	145.0	18.0
2000B-221	51	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	1.5	50	10	46.4	45	0.5	1.1	0.2	60.4	54.1	14.2

Sample Site	Cu	Zn	Pb	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi	S.Q. Ti	S.Q. Cr	Y	Zr	Nb	Hf	Ta	La	Ce	Pr
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2000B-222	16	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	1.0	111	10	26.5	22	1.1	0.7	0.1	38.0	70.0	10.8
2000B-223	4	23	1	1	0.3	0.1	0.7	0.1	0.4	0.3	0.4	50	10	8.4	10	0.5	0.4	0.1	15.0	28.6	3.7
2000B-224	11	34	2	1	0.3	0.1	0.4	0.1	0.4	0.1	0.4	117	10	26.7	27	0.5	0.8	0.1	39.6	75.6	11.3
2000B-225	5	53	3	1	0.3	0.1	0.9	0.1	0.4	0.3	0.4	175	10	20.2	41	1.0	1.5	0.1	30.7	111.0	9.5
2000B-226	32	18	2	1	0.3	0.1	0.4	0.1	0.4	0.1	0.4	50	10	6.8	9	0.5	0.3	0.1	10.5	30.9	2.8
2000B-227	49	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	1.0	50	10	23.7	36	0.5	0.8	0.2	35.0	41.7	9.8
2000B-228	37	5	2	1	0.3	0.1	0.3	0.1	0.4	0.5	0.4	113	10	9.9	24	0.5	0.6	0.1	14.1	20.2	3.7
2000B-239	22	24	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	4.0	6	0.5	0.1	0.1	6.7	10.3	1.5
2000B-230	8	15	1	1	0.3	0.1	0.8	0.1	0.4	0.2	0.4	109	10	6.0	12	0.5	0.4	0.1	10.7	23.8	2.8
2000B-231-1 Field Duplicate	25	51	1	1	0.3	0.1	0.1	0.1	0.4	0.2	0.4	50	10	8.3	10	0.5	0.3	0.1	12.0	24.2	3.5
2000B-231-2 Field Duplicate	20	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	5.3	8	0.5	0.2	0.1	8.8	14.4	2.1
2000B-232	13	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	5.9	6	0.5	0.2	0.1	9.0	17.8	2.1
2000B-233	6	22	1	1	0.3	0.1	0.7	0.1	0.4	0.4	0.4	50	10	7.6	8	0.5	0.2	0.1	9.5	28.5	2.8
2000B-234	15	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	6.6	8	0.5	0.2	0.1	8.4	18.7	2.4
2000B-235	30	5	1	1	0.3	0.1	0.6	0.1	0.4	0.1	0.4	50	10	8.5	20	0.5	0.5	0.1	10.2	19.9	2.8
2000B-236	24	35	2	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	157	10	43.7	23	1.1	0.7	0.1	62.0	128.0	16.5
2000B-237	6	13	2	1	0.3	0.1	1.5	0.1	0.4	0.4	0.4	106	10	8.3	8	0.5	0.3	0.1	16.8	31.1	3.7
2000B-238	61	5	3	2	0.7	0.1	0.5	0.1	0.4	0.1	0.8	322	10	81.5	117	2.1	2.6	0.2	104.0	165.0	28.4
2000B-239	24	5	3	1	0.3	0.1	0.1	0.1	0.4	0.2	0.4	50	10	8.4	17	0.5	0.4	0.1	14.0	21.7	3.7
2000B-240	31	28	2	1	0.3	0.1	1.0	0.1	0.4	0.3	0.4	50	10	5.2	10	0.5	0.2	0.1	8.8	13.2	2.2
2000B-241	13	5	3	1	0.3	0.1	0.8	0.1	0.4	0.2	0.4	328	10	20.0	31	1.4	1.1	0.1	28.2	68.8	8.4
2000B-242	23	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	6.4	14	0.5	0.3	0.1	9.7	21.9	2.7
2000B-243	10	26	2	1	0.3	0.1	1.4	0.1	0.4	0.3	0.4	151	10	29.3	15	0.5	0.5	0.1	49.7	117.0	13.0
2000B-244	2	5	2	1	0.3	0.1	1.5	0.1	0.4	0.3	0.4	104	10	16.6	11	0.5	0.4	0.1	26.9	78.8	7.4
2000B-245	10	11	1	1	0.3	0.1	0.1	0.1	0.4	0.3	0.4	50	10	8.9	8	0.5	0.3	0.1	13.8	34.3	4.0
2000B-246	5	13	2	1	0.3	0.1	0.3	0.1	0.4	0.4	0.4	50	10	7.2	11	0.5	0.4	0.1	10.8	31.7	3.2
2000B-247	7	15	1	1	0.3	0.1	0.1	0.1	0.4	0.3	0.4	125	10	40.9	26	0.5	0.8	0.1	63.4	127.0	18.8
2000B-248	3	5	1	1	0.3	0.1	1.5	0.1	0.4	0.6	0.4	190	10	27.4	32	0.5	1.0	0.1	42.1	125.0	12.6
2000B-249	8	5	1	1	0.3	0.1	0.1	0.1	0.4	0.2	0.4	50	10	25.2	21	0.5	0.6	0.1	43.7	110.0	11.5
2000B-250-1 Field Duplicate	6	13	1	1	0.3	0.1	0.1	0.1	0.4	0.3	0.4	50	10	24.3	26	0.5	0.8	0.1	42.4	97.5	11.8
2000B-250-2 Field Duplicate	5	32	1	1	0.3	0.1	0.3	0.1	0.4	0.3	0.4	136	10	20.3	19	0.5	0.5	0.1	40.8	61.4	9.4
2000B-251	13	41	2	1	0.3	0.1	0.6	0.1	0.4	0.4	0.4	101	10	4.4	5	0.5	0.2	0.1	9.3	15.4	2.0
2000B-252	4	69	5	1	0.3	0.1	1.0	0.1	0.4	0.2	0.4	50	10	8.4	9	0.5	0.4	0.1	16.1	52.7	4.2
2000B-253	7	46	3	1	0.3	0.1	0.1	0.1	0.4	0.2	0.4	123	10	20.9	13	0.5	0.4	0.1	35.9	82.0	10.5
2000B-254	2	11	2	2	0.3	0.1	0.8	0.1	0.4	0.3	0.4	255	10	13.6	13	0.5	0.5	0.1	22.0	49.7	6.3
2000B-255	13	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	169	10	23.5	19	0.5	0.5	0.1	36.3	67.8	10.6
2000B-256	45	5	1	1	0.3	0.1	0.2	0.1	0.4	0.1	0.4	50	10	8.3	25	0.5	0.5	0.1	12.3	21.3	3.0
2000B-257	12	5	1	1	0.3	0.1	0.4	0.1	0.4	0.3	0.4	50	10	7.4	10	0.5	0.3	0.1	8.4	15.2	2.4
2000B-258	19	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	131	10	10.3	12	0.5	0.3	0.1	14.9	29.1	4.1
2000B-259	24	5	5	1	0.3	0.1	0.4	0.1	0.4	0.1	0.4	155	10	4.8	8	0.5	0.3	0.3	7.5	12.4	2.1
2000B-260	45	5	3	1	0.3	0.1	0.3	0.1	0.4	0.1	1.7	129	10	30.3	37	1.2	1.0	0.2	42.3	59.9	11.5
2000B-261	6	19	3	1	0.3	0.1	1.5	0.1	0.4	0.6	0.4	239	10	7.0	14	0.5	0.5	0.1	11.4	41.7	3.0
2000B-262	28	5	8	1	0.5	0.1	0.1	0.1	0.4	0.1	1.0	50	10	6.6	9	0.5	0.2	0.2	10.5	21.1	2.7
2000B-263	25	5	4	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	122	10	5.8	15	0.5	0.3	0.1	8.5	15.9	2.5
2000B-264	13	14	3	1	0.3	0.1	0.1	0.1	0.4	0.1	1.5	50	10	16.5	13	0.5	0.4	0.1	24.5	48.1	6.3
2000B-265-1 Field Duplicate	7	5	2	1	0.3	0.1	0.6	0.1	0.4	0.2	0.4	176	10	28.4	47	0.5	1.6	0.1	44.1	134.0	12.9
2000B-265-2 Field Duplicate	8	5	5	1	0.3	0.1	0.6	0.1	0.4	0.3	0.4	561	10	14.4	46	2.0	1.7	0.2	24.7	85.4	7.3
2000B-266	4	5	3	1	0.3	0.1	0.6	0.1	0.4	0.2	0.4	50	10	12.4	15	0.5	0.5	0.1	21.0	61.3	5.2
2000B-267	10	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	8.5	10	0.5	0.3	0.1	12.2	28.0	3.0

Sample Site	Cu	Zn	Pb	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi	S.Q. Ti	S.Q. Cr	Y	Zr	Nb	Hf	Ta	La	Ce	Pr
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2000B-268	5	5	3	1	0.3	0.1	0.8	0.1	0.4	0.6	0.4	184	10	7.7	17	0.5	0.7	0.1	12.6	35.9	3.3
2000B-269	23	5	2	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	7.1	13	0.5	0.3	0.1	10.2	22.2	2.6
2000B-270	25	5	2	1	0.3	0.1	0.1	0.1	0.4	0.1	1.1	125	10	32.1	35	0.5	1.1	0.1	47.9	77.9	14.1
2000B-271	13	5	3	3	0.3	0.1	0.5	0.1	0.4	0.2	0.4	253	10	56.8	64	1.2	2.1	0.1	96.0	230.0	27.8
2000B-272	35	5	2	2	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	33.9	35	0.5	0.9	0.1	61.9	92.9	14.7
2000B-273	12	12	1	2	0.3	0.1	0.1	0.1	0.4	0.1	0.9	122	10	25.4	17	0.5	0.5	0.1	40.7	57.7	10.5
2000B-274	4	5	2	1	0.3	0.1	0.6	0.1	0.4	0.3	0.4	127	10	17.6	23	0.5	0.8	0.1	27.3	75.4	7.7
2000B-275	17	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	100	10	6.7	9	0.5	0.2	0.1	10.5	27.7	2.9
2000B-276	7	5	1	1	0.3	0.1	0.1	0.1	0.4	0.2	0.4	151	10	9.6	16	0.5	0.6	0.1	16.1	48.0	4.7
2000B-277	6	5	1	1	0.3	0.1	0.4	0.1	0.4	0.3	0.4	106	10	9.4	19	0.5	0.6	0.1	14.2	45.7	3.8
2000B-278	3	12	1	1	0.3	0.1	1.1	0.1	0.4	0.8	0.4	50	10	8.3	8	0.5	0.3	0.1	14.8	50.7	3.8
2000B-279	6	20	1	1	0.3	0.1	0.1	0.1	0.4	0.4	0.4	127	10	12.0	32	0.5	1.1	0.1	19.9	85.2	6.0
2000B-280	36	5	2	1	0.5	0.1	0.4	0.1	0.4	0.1	0.4	102	10	64.7	37	0.5	1.1	0.1	111.0	151.0	28.6
2000B-281-1 Field Duplicate	5	18	2	1	0.3	0.1	0.5	0.1	0.4	0.3	0.4	163	10	13.1	15	0.5	0.5	0.1	23.0	42.6	5.9
2000B-281-2 Field Duplicate	2	14	2	1	0.3	0.1	2.7	0.1	0.4	0.3	0.4	50	10	4.6	4	0.5	0.2	0.1	8.2	17.0	1.7
2000B-282	2	5	2	1	0.3	0.1	0.9	0.1	0.4	0.2	0.4	182	10	7.8	10	0.5	0.4	0.1	12.0	34.7	3.4
2000B-283	11	16	2	4	0.3	0.1	0.1	0.1	0.4	0.1	1.2	229	10	34.6	33	0.5	1.0	0.1	47.8	76.9	13.7
2000B-284	4	5	1	1	0.3	0.1	0.1	0.1	0.4	0.2	0.4	50	10	8.4	11	0.5	0.4	0.1	14.6	27.0	3.7
2000B-285	4	17	1	1	0.3	0.1	0.4	0.1	0.4	0.2	0.4	136	10	29.7	47	0.5	1.5	0.1	39.6	120.0	12.9
2000B-286	2	5	3	1	0.3	0.1	1.5	0.1	0.4	0.2	0.4	50	10	5.5	3	0.5	0.1	0.1	9.2	23.0	2.5
2000B-287	7	20	3	1	0.3	0.1	0.1	0.1	0.4	0.5	0.4	102	10	7.7	13	0.5	0.5	0.1	13.3	34.4	3.5
2000B-288	2	5	3	1	0.3	0.1	1.2	0.1	0.4	0.3	0.4	50	10	3.7	7	0.5	0.2	0.1	5.7	13.0	1.4
2000B-289	58	5	2	2	0.3	0.1	0.2	0.1	0.4	0.1	1.0	141	10	30.2	54	1.2	1.2	0.2	37.4	41.3	9.8
2000B-290	48	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	8.4	14	0.5	0.3	0.1	12.2	17.0	3.0
2000B-291	38	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	100	10	5.7	14	0.5	0.2	0.1	8.7	12.9	2.1
2000B-292	20	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	8.2	12	0.5	0.3	0.1	11.4	21.0	3.3
2000B-293	27	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	3.4	8	0.5	0.2	0.1	5.4	9.7	1.4
2000B-294	33	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	3.1	8	0.5	0.2	0.1	5.4	9.6	1.2
2000B-295	12	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	214	10	6.9	15	1.2	0.6	0.1	14.8	33.6	3.9
2000B-296	14	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	102	10	5.1	11	0.5	0.2	0.1	7.7	14.1	2.2
2000B-297	22	5	1	1	0.3	0.1	0.1	0.1	0.4	0.2	0.4	103	10	4.5	13	0.5	0.3	0.1	6.2	11.1	1.7
2000B-298	31	5	1	1	0.3	0.1	0.3	0.1	0.4	0.3	0.4	125	10	5.4	19	0.5	0.4	0.1	8.4	15.4	1.9
2000B-299	14	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	12.3	11	0.5	0.3	0.1	18.1	29.2	4.2
2000B-300	6	5	1	1	0.3	0.1	0.4	0.1	0.4	0.1	0.4	190	10	17.6	39	0.5	1.3	0.1	22.8	85.8	8.4
2000B-301	4	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	108	10	14.9	11	0.5	0.3	0.1	27.3	65.8	7.4
2000B-302	7	5	3	3	0.3	0.1	0.1	0.1	0.4	0.4	0.4	407	10	12.6	20	2.5	0.8	0.1	25.9	63.2	6.5
2000B-303	14	22	4	1	0.3	0.1	0.1	0.1	0.4	0.1	1.5	50	10	4.2	5	0.5	0.3	0.3	5.4	9.4	1.6
2000B-304	24	16	2	2	0.3	0.1	0.7	0.1	0.4	0.2	1.5	102	10	3.9	11	0.5	0.3	0.2	6.4	9.5	1.6
2000B-305	12	11	2	1	0.3	0.1	0.3	0.1	0.4	0.1	2.2	50	10	23.8	20	0.5	0.6	0.1	34.3	41.7	9.0
2000B-306	21	22	1	3	0.3	0.1	0.1	0.1	0.4	0.2	3.1	126	10	17.0	24	0.5	0.7	0.2	25.2	31.7	6.5
2000B-307	12	17	1	1	0.3	0.1	0.2	0.1	0.4	0.2	1.8	50	10	6.2	7	0.5	0.2	0.1	10.0	14.9	2.3
2000B-308	12	13	1	2	0.3	0.1	0.1	0.1	0.4	0.4	1.7	50	10	9.8	6	0.5	0.2	0.1	21.7	42.7	5.7
2000B-309	18	15	1	3	0.3	0.1	0.5	0.1	0.4	0.2	2.5	157	10	15.2	19	0.5	0.6	0.2	26.8	37.5	6.7
2000B-310-1 Field Duplicate	19	11	2	2	0.3	0.1	0.3	0.1	0.4	0.1	1.9	114	10	38.5	33	0.5	1.0	0.1	58.1	109.0	14.8
2000B-310-2 Field Duplicate	17	52	1	1	0.3	0.1	0.3	0.1	0.4	0.1	1.7	101	10	24.7	20	0.5	0.6	0.1	43.3	77.6	9.9
2000B-311	9	12	1	1	0.3	0.1	0.4	0.1	0.4	0.1	1.9	130	10	19.9	16	0.5	0.6	0.1	31.4	66.8	8.5
2000B-312	20	11	1	2	0.3	0.1	0.1	0.1	0.4	0.1	0.9	50	10	4.8	11	0.5	0.3	0.1	9.0	16.7	2.0
2000B-313	22	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	3.5	10	0.5	0.2	0.1	6.2	10.1	1.5
2000B-315	36	11	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	2.0	4	0.5	0.1	0.1	3.7	7.1	0.9

Sample Site	Cu	Zn	Pb	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi	S.Q. Ti	S.Q. Cr	Y	Zr	Nb	Hf	Ta	La	Ce	Pr
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2000B-316	29	11	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	3.7	11	0.5	0.2	0.1	6.1	9.5	1.6
2000B-317	25	5	1	3	0.3	0.1	0.4	0.1	0.4	0.2	0.4	50	10	4.8	15	0.5	0.4	0.1	6.4	9.6	1.7
2000B-319	16	11	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	101	10	11.7	26	0.5	0.6	0.1	17.5	13.4	4.7
2000B-320	22	5	1	2	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	2.7	5	0.5	0.1	0.1	4.9	5.2	1.2
2000B-321	24	20	1	2	0.3	0.1	0.1	0.1	0.4	0.1	0.4	380	10	15.6	57	1.8	1.8	0.1	28.9	65.4	9.6
2000B-324	48	5	1	3	0.3	0.1	0.1	0.1	0.4	0.1	1.0	50	10	10.1	19	0.5	0.4	0.1	16.8	24.3	4.2
2000B-325	15	5	1	1	0.3	0.1	0.4	0.1	0.4	0.1	0.4	50	10	6.1	12	0.5	0.3	0.1	9.8	11.3	2.6
2000B-326	44	26	1	2	0.3	0.1	0.1	0.1	0.4	0.1	1.3	150	10	30.3	60	1.2	1.5	0.2	48.4	58.0	12.8
2000B-327	9	23	3	1	0.3	0.1	0.5	0.1	0.4	0.3	0.4	50	10	2.9	6	0.5	0.2	0.1	6.3	9.1	1.5
2000B-328	11	43	3	2	0.3	0.1	2.4	0.1	0.4	0.3	0.4	314	10	5.7	22	1.0	0.8	0.1	12.2	24.6	2.9
2000B-329-1 Field Duplicate	10	5	2	2	0.3	0.1	0.2	0.1	0.4	0.1	0.4	50	10	8.6	10	0.5	0.3	0.1	14.0	22.4	3.3
2000B-329-2 Field Duplicate	12	10	1	1	0.3	0.1	0.4	0.1	0.4	0.1	0.4	50	10	8.9	11	0.5	0.3	0.1	12.2	17.4	2.9
2000B-330	35	5	1	1	0.3	0.1	0.3	0.1	0.4	0.1	0.4	50	10	3.2	7	0.5	0.2	0.1	5.7	9.1	1.4
2000B-331	39	48	1	1	0.3	0.1	1.1	0.1	0.4	0.1	0.4	50	10	4.3	14	0.5	0.3	0.1	6.6	9.1	1.8
2000B-332	10	12	2	1	0.3	0.1	0.8	0.1	0.4	0.3	0.4	50	10	3.6	7	0.5	0.2	0.1	5.9	12.1	1.6
2000B-333	10	12	1	1	0.3	0.1	0.5	0.1	0.4	0.3	0.4	50	10	6.7	11	0.5	0.3	0.1	8.6	12.5	2.2
2000B-334	21	12	1	2	0.3	0.1	0.3	0.1	0.4	0.1	0.4	50	10	3.3	7	0.5	0.2	0.1	5.5	8.9	1.4
2000B-335	27	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	2.8	8	0.5	0.2	0.1	4.5	7.3	1.1
2000B-336	26	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	3.4	10	0.5	0.2	0.1	5.3	7.4	1.4
2000B-337	23	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	1.9	4	0.5	0.1	0.1	3.3	5.0	0.9
2000B-338	40	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	10.0	21	0.5	0.4	0.1	16.9	10.7	3.9
2000B-339	26	12	1	1	0.3	0.1	0.8	0.1	0.4	0.2	0.4	50	10	8.7	15	0.5	0.4	0.1	14.4	13.6	3.4
2000B-340	6	5	1	1	0.3	0.1	0.9	0.1	0.4	0.3	0.4	50	10	1.6	1	0.5	0.1	0.1	3.5	4.2	0.6
2000B-341	20	5	1	1	0.3	0.1	0.6	0.1	0.4	0.2	0.4	50	10	4.4	12	0.5	0.2	0.1	6.0	8.9	1.6
2000B-342	7	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	2.0	2	0.5	0.1	0.1	4.2	7.7	1.0
2000B-343	4	16	1	1	0.3	0.1	0.3	0.1	0.4	0.2	0.4	50	10	3.0	7	0.5	0.2	0.1	5.4	14.1	1.5
2000B-344	16	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	9.2	13	0.5	0.4	0.1	13.6	17.2	3.3
2000B-345-1 Field Duplicate	22	5	1	1	0.3	0.1	0.2	0.1	0.4	0.1	0.4	50	10	7.8	18	0.5	0.4	0.1	10.1	11.7	2.5
2000B-345-2 Field Duplicate	19	5	1	2	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	6.6	15	0.5	0.3	0.1	8.6	8.7	2.3
2000B-346	8	5	2	1	0.3	0.1	0.8	0.1	0.4	0.4	0.4	136	10	2.7	10	0.5	0.4	0.1	4.4	6.7	1.0
2000B-347	21	5	1	1	0.3	0.1	0.6	0.1	0.4	0.1	0.4	50	10	1.7	5	0.5	0.1	0.1	2.8	4.4	0.6
2000B-348	40	5	1	1	0.3	0.1	0.3	0.1	0.4	0.1	0.4	50	10	7.9	20	0.5	0.4	0.1	11.0	8.1	2.8
2000B-349	27	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	4.8	15	0.5	0.3	0.1	7.3	6.9	1.9
2000B-350	30	19	4	1	0.3	0.1	0.6	0.1	0.4	0.1	4.5	50	10	4.3	5	0.5	0.2	0.3	6.1	10.5	1.7
2000B-351	21	5	2	1	0.3	0.1	0.2	0.1	0.4	0.1	2.9	50	10	3.3	6	0.5	0.2	0.1	5.0	8.1	1.3
2000B-352	8	14	1	1	0.3	0.1	0.1	0.1	0.4	0.1	2.6	50	10	3.2	3	0.5	0.1	0.1	4.6	5.8	1.3
2000B-353	6	23	3	1	0.3	0.1	0.4	0.1	0.4	0.3	2.2	50	10	7.9	13	0.5	0.4	0.1	9.8	26.1	3.0
2000B-354	32	5	2	1	0.3	0.1	0.1	0.1	0.4	0.2	3.2	50	10	8.6	16	0.5	0.4	0.1	10.2	22.7	3.0
2000B-355	30	5	1	1	0.3	0.1	0.1	0.1	0.4	0.8	2.6	50	10	7.0	7	0.5	0.2	0.1	12.9	16.7	3.1
2000B-356	23	17	1	1	0.3	0.1	0.8	0.1	0.4	0.1	2.2	50	10	3.6	5	0.5	0.1	0.1	6.4	9.4	1.6
2000B-357	32	14	1	1	0.3	0.1	0.3	0.1	0.4	0.1	5.2	50	10	9.5	21	0.5	0.5	0.1	14.2	15.6	3.6
2000B-358	27	5	1	1	0.3	0.1	0.3	0.1	0.4	0.1	1.5	50	10	1.9	4	0.5	0.1	0.1	3.9	5.5	0.8
2000B-359	10	17	2	1	0.3	0.1	0.1	0.1	0.4	0.4	1.4	50	10	2.5	7	0.5	0.2	0.1	5.9	12.4	1.4
2000B-360	17	15	2	2	0.3	0.1	0.1	0.1	0.4	0.1	2.1	178	10	8.9	53	0.5	1.3	0.1	16.3	40.3	5.1
2000B-361	11	11	1	1	0.3	0.1	0.1	0.1	0.4	0.1	7.4	50	10	22.0	30	0.5	1.1	0.1	33.9	39.0	8.9
2000B-362	18	5	1	1	0.3	0.1	0.3	0.1	0.4	0.1	3.8	50	10	12.7	18	0.5	0.4	0.1	20.8	22.7	5.3
2000B-363	46	13	1	1	0.3	0.1	0.6	0.1	0.4	0.1	2.2	50	10	17.6	40	0.5	0.8	0.1	29.6	25.9	7.3
2000B-364	27	12	1	1	0.3	0.1	0.5	0.1	0.4	0.2	1.5	50	10	4.6	12	0.5	0.3	0.1	7.9	9.9	2.0
2000B-365	25	12	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.8	50	10	3.3	8	0.5	0.2	0.1	6.1	8.3	1.5

Sample Site	Cu	Zn	Pb	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi	S.Q. Tl	S.Q. Cr	Y	Zr	Nb	Hf	Ta	La	Ce	Pr
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2000B-366	26	12	1	1	0.3	0.1	0.3	0.1	0.4	0.1	0.8	50	10	3.0	7	0.5	0.1	0.1	5.8	7.7	1.4
2000B-367	13	12	1	1	0.3	0.1	0.2	0.1	0.4	0.1	1.4	50	10	6.2	8	0.5	0.2	0.1	9.6	11.4	2.3
2000B-368	36	15	1	1	0.3	0.1	0.1	0.1	0.4	0.1	2.4	50	10	9.0	22	0.5	0.5	0.1	12.7	10.8	3.2

Sample Site	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	S.Q. Li	Be	S.Q. Sc	Mn	Rb	Sr	Cs	Ba	Ru	Pd
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2000B-1	11.8	2.5	0.7	2.0	0.5	1.5	0.4	0.8	0.2	0.8	0.2	11	1	50	482	16	403	0.6	174	1	1
2000B-2	31.8	6.6	1.5	4.7	0.8	3.5	0.8	2.1	0.3	2.0	0.4	16	1	50	290	19	114	0.6	136	1	1
2000B-3	53.8	10.6	2.2	8.4	1.2	6.2	1.3	3.6	0.5	2.7	0.5	11	1	50	534	19	399	0.1	157	1	1
2000B-4	60.9	11.4	2.2	9.5	1.5	6.4	1.3	4.1	0.6	3.9	0.6	25	1	50	845	39	154	0.4	179	1	1
2000B-5	29.2	6.1	1.0	4.3	0.6	3.0	0.5	1.8	0.2	1.5	0.2	32	2	50	140	65	212	2.5	277	1	1
2000B-6	49.5	8.8	1.7	6.8	1.0	5.0	0.9	2.5	0.4	2.2	0.3	7	1	50	570	35	194	0.3	142	1	1
2000B-8	12.6	2.2	1.7	1.9	0.3	1.3	0.3	0.7	0.1	0.6	0.1	8	1	50	463	22	325	0.4	106	1	1
2000B-9	25.4	4.4	0.9	3.4	0.6	2.5	0.5	1.4	0.2	1.2	0.2	9	1	50	916	17	310	0.2	124	1	1
2000B-10	55.0	10.3	2.1	8.0	1.1	5.5	1.2	3.3	0.4	2.7	0.4	25	1	50	1690	20	358	0.2	143	1	1
2000B-11	19.7	3.9	0.8	3.0	0.4	1.9	0.4	1.3	0.2	1.1	0.2	16	1	50	390	22	103	0.4	140	1	1
2000B-12	12.8	2.7	0.5	2.1	0.3	1.6	0.3	0.9	0.1	0.8	0.1	14	1	50	711	21	370	0.6	161	1	1
2000B-13	40.5	7.8	1.5	5.7	0.9	4.5	0.9	2.4	0.4	2.0	0.3	4	1	50	610	18	275	0.2	122	1	1
2000B-14	35.3	6.1	1.3	5.6	0.8	3.8	0.7	2.3	0.3	1.6	0.3	8	1	50	832	19	336	0.1	143	1	1
2000B-15	27.5	4.8	1.0	4.3	0.6	2.9	0.6	1.9	0.3	1.6	0.3	17	1	50	242	22	527	0.2	150	1	1
2000B-16-1 Field Duplicate	21.1	3.5	0.7	2.9	0.4	1.8	0.4	1.1	0.2	0.8	0.1	6	1	50	389	9	289	0.3	98	1	1
2000B-16-2 Field Duplicate	20.3	3.5	0.8	3.0	0.4	2.2	0.4	1.1	0.2	1.0	0.1	1	1	50	377	9	370	0.1	161	1	1
2000B-17	6.2	1.2	0.3	1.0	0.1	0.6	0.1	0.4	0.1	0.2	0.1	22	1	50	777	13	360	0.3	150	1	1
2000B-18	51.2	8.3	1.5	6.0	0.9	4.4	0.9	2.3	0.3	2.0	0.3	22	1	50	1020	14	335	0.2	176	1	1
2000B-24	45.9	9.4	1.6	6.4	1.0	5.1	1.0	2.8	0.4	2.1	0.3	20	1	50	604	18	388	0.1	146	1	1
2000B-25	39.3	6.9	1.5	6.1	0.8	4.0	0.8	2.5	0.3	1.9	0.3	17	1	50	419	17	409	0.2	128	1	1
2000B-26	58.8	10.8	2.3	9.5	1.2	6.3	1.3	3.5	0.4	2.6	0.4	5	1	50	246	13	241	0.1	115	1	1
2000B-27	21.4	3.7	0.8	3.2	0.5	2.5	0.5	1.3	0.2	1.1	0.2	7	1	50	189	12	354	0.4	155	1	1
2000B-28	10.3	2.0	0.4	1.6	0.2	1.2	0.3	0.8	0.1	0.6	0.1	8	1	50	265	15	344	0.8	113	1	1
2000B-29	12.1	2.3	0.4	1.7	0.3	1.2	0.3	0.7	0.1	0.6	0.1	12	1	50	552	18	445	1.0	329	1	1
2000B-30	12.9	2.5	0.6	2.1	0.3	1.7	0.4	1.0	0.2	0.8	0.1	9	1	50	373	14	314	0.4	171	1	1
2000B-31	83.6	16.0	3.2	12.5	1.7	8.6	1.8	5.3	0.7	4.5	0.7	6	1	50	553	8	208	0.1	141	1	1
2000B-33	32.4	5.5	1.1	4.3	0.7	3.3	0.7	1.8	0.3	1.4	0.2	9	1	50	667	22	425	0.5	160	1	1
2000B-34	14.4	2.6	0.5	1.9	0.3	1.7	0.3	0.8	0.1	0.7	0.1	4	1	50	295	11	442	0.1	131	1	1
2000B-35-1 Field Duplicate	21.3	4.1	0.9	3.7	0.5	2.4	0.5	1.5	0.2	1.1	0.2	1	1	50	1950	9	277	0.1	107	1	1
2000B-35-2 Field Duplicate	25.3	4.6	0.8	3.8	0.5	2.7	0.5	1.4	0.2	1.1	0.1	1	1	50	534	6	319	0.1	99	1	1
2000B-36	6.0	1.1	0.3	0.7	0.1	0.8	0.1	0.3	0.1	0.3	0.1	33	1	50	1390	11	490	0.3	272	1	1
2000B-37	14.6	2.6	0.6	2.4	0.3	1.5	0.4	1.1	0.2	0.8	0.1	32	1	50	665	13	564	0.4	195	1	1
2000B-38	42.5	7.3	1.3	6.0	0.9	4.3	0.9	2.7	0.4	2.1	0.3	7	1	50	1680	12	541	0.5	195	1	1
2000B-39	28.2	5.6	1.0	4.1	0.6	3.0	0.6	1.7	0.2	1.2	0.2	37	1	50	854	15	826	0.3	163	1	1
2000B-40	52.9	10.6	2.0	8.4	1.1	5.9	1.2	3.3	0.4	2.7	0.4	5	1	50	1910	8	217	0.2	174	1	1
2000B-41	94.3	16.0	2.9	13.1	1.8	8.6	1.7	5.3	0.7	4.3	0.6	10	1	50	1450	14	266	0.3	150	1	1
2000B-42	17.9	3.2	0.7	2.8	0.4	2.0	0.4	1.1	0.2	0.9	0.1	17	1	50	1320	28	423	0.7	240	1	1
2000B-43	51.6	9.3	1.7	7.5	1.2	5.3	1.1	3.0	0.4	2.7	0.4	26	1	50	479	13	463	0.2	145	1	1
2000B-44	33.8	4.6	0.9	3.8	0.5	2.5	0.5	1.6	0.3	1.2	0.2	24	1	50	1260	17	485	0.4	217	1	1
2000B-45	9.2	1.7	0.3	1.3	0.2	1.0	0.2	0.5	0.1	0.4	0.1	32	1	50	927	23	453	0.8	340	1	1
2000B-46	58.2	10.7	2.0	9.1	1.2	6.0	1.2	3.7	0.5	2.9	0.4	6	1	50	1270	7	199	0.1	179	1	1
2000B-47	18.0	3.2	0.7	2.9	0.5	2.0	0.4	1.3	0.2	1.1	0.1	15	1	50	180	20	333	0.5	208	1	1

Sample Site	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	S.Q. Li	Be	S.Q. Sc	Mn	Rb	Sr	Cs	Ba	Ru	Pd
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2000B-48	22 3	4 1	0 8	3.5	0.4	2 3	0 5	1 4	0 2	1 2	0 2	26	1	50	321	14	744	0 4	207	1	1
2000B-49	9 6	1 8	0.3	1 4	0.2	1 0	0 2	0 6	0 1	0 4	0 1	31	1	50	1340	17	470	0.5	195	1	1
2000B-50	5 8	1 0	0 6	0.9	0.1	0 6	0 1	0 4	0 1	0 3	0 1	5	1	50	696	8	309	0.1	137	1	1
2000B-51	29.8	5.4	1.1	4.5	0.6	3.4	0.7	2 0	0 3	1.7	0.3	9	1	50	1020	14	365	0.1	115	1	1
2000B-52	4 7	1.3	0.6	1.1	0.5	0.9	0.3	0.6	0 2	0 5	0 2	48	1	50	989	80	1070	1.3	899	1	1
2000B-53-1 Field Duplicate	22.5	4.2	1.0	3.6	0.7	2.4	0.5	1 4	0.2	1.1	0.2	5	1	50	222	34	343	0.1	127	1	1
2000B-53-2 Field Duplicate	19.6	3.7	0.9	2.7	0.5	2.2	0.5	1.2	0.2	1.1	0.2	15	1	50	665	24	396	0.4	158	1	1
2000B-54	10.8	1.8	0.4	1.6	0.3	1.2	0.2	0 6	0 1	0.6	0.1	61	1	50	317	24	621	0.8	208	1	1
2000B-55	6.4	1.6	0.3	1.0	0.2	0.7	0.2	0.5	0.1	0 4	0.1	17	1	50	542	12	389	0.4	183	1	1
2000B-56	10.1	1.3	0.3	0.9	0.2	0.8	0.2	0.5	0.1	0.5	0.1	11	1	50	927	14	347	0.2	183	1	1
2000B-57	12.1	2.5	0.5	1.5	0.3	1.4	0.3	0.7	0.1	0.6	0.1	5	1	50	154	7	322	0.1	121	1	1
2000B-58	13.7	2.2	0.5	1.8	0.3	1.3	0.2	1.2	0.1	0.6	0.1	44	1	50	625	16	449	0.3	184	1	1
2000B-60	49.6	9.8	1.7	7.3	1.1	5.3	1.0	3.1	0.5	3.0	0.5	16	3	50	475	24	249	0.6	232	1	1
2000B-61	18.6	3.6	0.7	2.9	0.4	2.1	0.5	1.3	0.2	1.1	0.2	9	1	50	188	20	338	0.2	239	1	1
2000B-62	7.3	1.5	0.4	1.2	0.2	0.9	0.2	0.4	0.1	0.4	0.1	13	1	50	281	14	371	0.3	173	1	1
2000B-63	115.0	21.7	3.9	15.6	2.4	12.4	2.3	6.5	0.9	6.3	1.0	41	2	50	396	16	203	0.4	207	1	1
2000B-64	61.6	12.7	2.4	9.7	1.3	6.7	1.4	4.0	0.5	3.3	0.5	11	1	50	655	12	116	0.3	109	1	1
2000B-65	33 5	6.7	1 4	5.2	0.8	4.1	0.9	2.5	0.3	1.8	0.3	2	1	50	1410	15	323	0.1	136	1	1
2000B-66	61 0	10.5	2.1	9.4	1.3	6.0	1.2	4 2	0.5	3.1	0.5	9	1	50	785	16	206	0.1	114	1	1
2000B-67	84 6	16 2	3.1	12.6	1.7	9.5	1.9	5.3	0.7	4.2	0.6	6	1	50	448	15	428	0.1	162	1	1
2000B-68	30 6	5 9	1.2	5.0	0.7	3.4	0.7	2.1	0.3	1.6	0.3	8	1	50	514	19	415	0.1	155	1	1
2000B-69-1 Field Duplicate	91 8	17 0	3.0	11.9	1.8	9.4	1.8	5.3	0.7	5.1	0.8	21	1	50	780	22	189	0.1	129	1	1
2000B-69-2 Field Duplicate	69 8	13.3	2.4	9.3	1.5	7.1	1.3	3.7	0.5	3.3	0.5	15	1	50	768	16	192	0.3	137	1	1
2000B-71	56 9	9 9	2.1	8 8	1.3	5 9	1 2	3.6	0.4	2.7	0.4	15	1	50	373	17	298	0.1	118	1	1
2000B-72	15 5	3 2	0.7	2 6	0.3	2.0	0 4	1.0	0.1	0.7	0.1	36	1	50	603	20	362	0.5	166	1	1
2000B-73	9.0	1.7	0.4	1 4	0.2	0.9	0.2	0.6	0.1	0.5	0.1	10	1	50	1440	15	572	0.2	160	1	1
2000B-74	4 4	0 8	0 2	0 6	0 1	0 4	0 1	0 2	0 1	0 2	0 1	16	1	50	2000	17	537	0 2	186	1	1
2000B-75	36 6	6 8	1 3	5 0	0 7	3 8	0 7	2 2	0 3	2 3	0 3	23	1	50	497	18	373	0 5	274	1	1
2000B-76-1 Field Duplicate	9 3	1 9	0 3	1 5	0 2	1 1	0 2	0 6	0 1	0 5	0 1	33	1	50	625	16	503	0 3	346	1	1
2000B-76-2 Field Duplicate	10 1	2 0	0 3	1 3	0 2	1 0	0 2	0 6	0 1	0 5	0 1	20	1	50	629	18	510	0 2	362	1	1
2000B-77	15 8	2 9	0 6	2 2	0 3	1 5	0 3	0 8	0 1	0 8	0 1	15	4	50	189	68	253	0 8	1090	1	1
2000B-78	76.4	13 3	2 1	10 5	1 4	6 4	1 3	4 0	0 6	3 8	0 6	60	1	50	799	50	266	1 1	352	1	1
2000B-79	16 5	2 9	0 5	2 1	0 3	1 6	0 3	0 9	0 1	1 0	0 1	86	1	50	599	26	659	0 3	413	1	1
2000B-80	12 0	2 2	0 5	1 6	0 2	1 2	0 2	0 6	0 1	0 5	0 1	3	1	50	191	50	736	0 4	293	1	1
2000B-81	37 1	7 5	1 3	5 8	0 8	4 1	0 9	2 3	0 3	1 9	0 3	10	1	50	260	26	697	0 3	219	1	1
2000B-82	75 3	12 3	2 1	10 0	1 4	6 6	1 2	3 5	0 4	3 1	0 5	72	1	50	173	40	319	1 9	550	1	1
2000B-83	23 3	4 5	0 8	3 4	0 5	2 7	0 8	1 5	0 2	1 3	0 2	21	1	50	370	15	450	0 1	229	1	1
2000B-84	29 0	5 5	1 2	4 7	0 6	3 3	0 7	2 0	0 2	1 4	0 2	6	1	50	1130	15	552	0 1	237	1	1
2000B-85	5 6	1 0	0 2	0 9	0 1	0 6	0 1	0 3	0 1	0 2	0 1	53	1	50	1300	13	576	0 2	211	1	1
2000B-86	20 0	4 0	0 8	3 2	0 4	2 2	0 4	1 4	0 2	1 3	0 2	19	1	50	663	21	246	0 1	275	1	1
2000B-87	13 0	2 4	0 5	2 2	0 3	1 5	0 3	0 9	0 1	0 7	0 1	21	1	50	462	20	419	0 2	355	1	1
2000B-88	46 2	8 2	1 6	6 8	0 9	3 9	0 7	2 2	0 3	2 1	0 3	36	1	50	651	40	242	2 6	398	1	1
2000B-89	26 0	4 8	0 9	3 6	0 4	2 1	0 4	1 2	0 2	1 0	0 1	6	3	50	287	52	414	0 7	953	1	1
2000B-90	94 6	19 5	3 8	14 5	2 0	11 1	2 3	6 2	0 8	5 3	0 9	34	1	50	709	33	481	0 1	194	1	1
2000B-91	17.3	3.2	0.7	2.6	0.4	2.2	0.4	1.2	0.2	1.0	0.2	12	1	50	1060	17	578	0.1	327	1	1
2000B-93	152.0	29.2	5.3	20.2	3.0	16.0	3.1	8.8	1.3	9.2	1.4	16	3	50	1390	19	339	0.1	217	1	1
2000B-94	38.3	7.7	1.6	5 8	0.9	4.7	1.0	2.8	0.4	2.6	0.3	6	1	50	726	15	529	0.2	222	1	1
2000B-96	12.7	2.4	0.5	2.1	0.3	1.5	0.3	0.9	0.1	0.6	0.1	15	1	50	213	13	697	0.1	152	1	1
2000B-97	5.7	1.4	0.6	1.3	0.3	0.8	0.3	0.5	0.1	0.4	0.1	11	1	50	558	14	336	0.2	184	1	1

Sample Site	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	S.Q. Li	Be	S.Q. Sc	Mn	Rb	Sr	Cs	Ba	Ru	Pd
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2000B-98	49.3	10.3	2.2	7.7	1.3	5.6	1.3	3.5	0.5	2.9	0.5	14	1	50	1070	17	290	0.3	178	1	1
2000B-99	17.3	3.3	0.8	3.1	0.5	2.0	0.4	1.2	0.2	1.1	0.2	46	1	50	334	41	680	0.9	436	1	1
2000B-100	19.0	3.4	0.7	3.0	0.5	1.8	0.4	1.2	0.2	1.0	0.2	20	1	50	457	22	461	0.5	178	1	1
2000B-101	23.5	4.3	1.0	4.1	0.6	2.5	0.5	1.6	0.2	1.3	0.2	38	1	50	1050	23	337	0.3	224	1	1
2000B-102-1 Field Duplicate	16.8	3.0	0.7	2.6	0.5	1.8	0.3	1.1	0.2	0.8	0.2	9	1	50	318	16	380	0.2	142	1	1
2000B-102-2 Field Duplicate	35.2	6.2	1.3	5.6	0.8	3.3	0.7	2.0	0.3	1.6	0.2	3	1	50	195	12	285	0.3	84	1	1
2000B-103	80.8	16.2	2.8	11.8	1.7	8.7	1.8	4.8	0.6	4.4	0.7	40	1	50	693	16	295	0.4	234	1	1
2000B-104	26.8	5.2	0.9	4.5	0.6	2.9	0.6	1.7	0.2	1.6	0.3	12	1	50	594	31	424	0.9	203	1	1
2000B-105	47.1	9.5	1.9	7.3	1.0	5.1	1.1	3.1	0.4	2.5	0.4	11	1	50	782	18	266	0.3	185	1	1
2000B-106	17.3	3.4	0.6	2.5	0.4	2.1	0.4	1.0	0.1	0.9	0.2	22	1	50	1670	25	497	0.6	287	1	1
2000B-107	9.8	1.7	0.4	1.6	0.2	1.1	0.2	0.6	0.1	0.5	0.1	9	1	50	495	11	442	0.2	109	1	1
2000B-108	6.4	1.4	0.3	1.0	0.2	0.9	0.2	0.5	0.1	0.4	0.1	5	1	50	445	6	305	0.2	148	1	1
2000B-109	10.3	1.9	0.5	1.8	0.3	1.2	0.3	0.8	0.1	0.6	0.1	3	1	50	512	8	398	0.2	160	1	1
2000B-110	11.3	2.1	0.5	1.7	0.3	1.3	0.3	0.8	0.1	0.7	0.1	9	1	50	1060	5	366	0.2	107	1	1
2000B-112	9.1	1.6	0.3	1.5	0.2	0.9	0.2	0.5	0.1	0.5	0.1	14	1	50	413	16	597	0.3	239	1	1
2000B-113	7.8	2.5	0.3	1.2	0.2	0.7	0.2	0.5	0.1	0.4	0.1	6	1	50	946	16	421	0.3	167	1	1
2000B-114	8.7	1.6	0.4	1.4	0.3	1.0	0.2	0.6	0.1	0.5	0.1	22	1	50	310	13	2050	0.3	196	1	1
2000B-115	6.3	1.3	0.3	1.1	0.2	0.7	0.2	0.5	0.1	0.3	0.1	8	1	50	1890	13	400	0.4	252	1	1
2000B-116	11.5	2.2	0.5	1.9	0.3	1.2	0.2	0.6	0.1	0.5	0.1	9	1	50	408	30	232	0.2	148	1	1
2000B-117	33.4	6.1	1.1	4.8	0.7	3.3	0.6	2.0	0.2	1.5	0.2	1	1	50	308	16	371	0.1	129	1	1
2000B-118	9.8	1.4	0.3	1.1	0.1	0.7	0.1	0.4	0.1	0.3	0.1	37	1	50	700	35	1100	0.4	319	1	1
2000B-119	5.0	0.8	0.2	0.6	0.1	0.4	0.1	0.2	0.1	0.3	0.1	19	1	50	857	19	678	0.3	259	1	1
2000B-120	6.7	1.3	0.3	0.9	0.2	0.8	0.1	0.4	0.1	0.5	0.1	8	1	50	2870	9	561	0.1	239	1	1
2000B-121	32.1	5.8	1.1	4.6	0.7	3.1	0.7	1.8	0.2	1.5	0.2	25	1	50	1100	13	933	0.1	233	1	1
2000B-122	16.7	3.0	0.6	2.4	0.4	1.9	0.4	1.1	0.2	0.9	0.1	5	1	50	268	15	450	0.3	212	1	1
2000B-124	12.7	2.4	0.5	2.1	0.3	1.3	0.3	0.8	0.1	0.6	0.1	2	1	50	102	12	444	0.1	104	1	1
2000B-125	15.1	2.7	0.6	2.4	0.4	1.7	0.3	1.0	0.1	0.8	0.1	17	1	50	1310	18	449	0.3	149	1	1
2000B-126	70.2	12.6	2.3	10.1	1.5	7.2	1.4	4.2	0.6	3.8	0.6	14	1	50	694	20	369	0.1	169	1	1
2000B-127	14.6	2.6	0.6	2.1	0.3	1.6	0.3	0.8	0.1	0.8	0.2	19	1	50	1000	28	1190	0.3	269	1	1
2000B-128	8.6	1.6	0.4	1.4	0.2	0.9	0.2	0.6	0.1	0.4	0.1	7	1	50	1280	13	419	0.3	202	1	1
2000B-129	9.8	2.1	0.5	1.6	0.2	1.1	0.2	0.7	0.1	0.6	0.1	1	1	50	125	8	378	0.2	166	1	1
2000B-130-1 Field Duplicate	6.6	1.3	0.3	1.0	0.1	0.7	0.2	0.5	0.1	0.3	0.1	41	1	50	622	18	542	0.3	204	1	1
2000B-130-2 Field Duplicate	6.5	1.1	0.3	0.9	0.1	0.6	0.1	0.4	0.1	0.3	0.1	45	1	50	724	18	561	0.3	197	1	1
2000B-131	14.2	2.8	0.5	2.3	0.3	1.6	0.3	1.0	0.1	0.9	0.1	8	1	50	511	13	503	0.4	164	1	1
2000B-132	7.5	1.2	0.3	1.3	0.1	0.7	0.2	0.5	0.1	0.4	0.1	14	1	50	2540	12	487	0.4	122	1	1
2000B-133	10.0	1.6	0.4	1.4	0.2	0.8	0.2	0.5	0.1	0.3	0.1	32	1	50	1380	17	465	0.3	131	1	1
2000B-134	6.8	1.2	0.2	1.0	0.1	0.6	0.2	0.5	0.1	0.4	0.1	11	1	50	3870	13	950	0.2	226	1	1
2000B-135	47.5	9.9	1.9	7.4	1.0	5.4	1.1	3.0	0.4	3.1	0.5	36	2	50	1020	37	265	0.4	336	1	1
2000B-136	13.4	3.2	0.6	2.1	0.3	1.4	0.3	0.9	0.1	0.8	0.1	17	1	50	3440	35	586	0.2	222	1	1
2000B-137-1 Field Duplicate	22.1	4.2	0.9	3.4	0.5	2.5	0.6	1.5	0.2	1.1	0.2	10	1	50	734	14	744	0.1	186	1	1
2000B-137-2 Field Duplicate	17.0	3.6	0.7	2.4	0.3	1.9	0.4	1.1	0.1	0.9	0.1	6	1	50	580	11	657	0.1	170	1	1
2000B-138	7.9	1.5	0.3	1.2	0.2	0.9	0.2	0.4	0.1	0.5	0.1	20	1	50	527	18	654	0.3	178	1	1
2000B-139	8.6	1.7	0.4	1.3	0.2	1.0	0.2	0.5	0.1	0.5	0.1	6	1	50	466	16	601	0.1	173	1	1
2000B-140	14.4	3.1	0.7	2.3	0.3	1.6	0.3	0.8	0.1	0.7	0.1	1	1	50	329	23	327	0.2	168	1	1
2000B-142	11.7	2.1	0.5	1.8	0.2	1.2	0.2	0.8	0.1	0.6	0.1	47	1	50	1260	33	668	0.2	252	1	1
2000B-143	22.1	4.6	1.4	4.2	1.1	2.6	0.7	1.8	0.3	1.5	0.4	12	1	50	130	14	537	0.3	117	1	1
2000B-145	54.0	9.7	2.0	9.0	1.3	5.2	1.1	3.4	0.5	2.8	0.4	18	1	50	1220	16	198	0.2	132	1	1
2000B-146	19.0	3.5	0.7	3.0	0.6	2.3	0.5	1.3	0.2	1.2	0.2	20	1	50	253	34	617	0.4	194	1	1
2000B-148	14.2	2.4	0.5	1.8	0.3	1.6	0.3	0.7	0.1	0.6	0.1	48	3	50	110	92	276	1.4	689	1	1

Sample Site	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	S.Q. Li	Be	S.Q. Sc	Mn	Rb	Sr	Cs	Ba	Ru	Pd
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2000B-149-1 Field Duplicate	8.2	1.4	0.3	1.3	0.2	0.8	0.2	0.5	0.1	0.3	0.1	1	1	50	3190	55	160	0.1	136	1	1
2000B-149-2 Field Duplicate	6.0	1.0	0.2	1.0	0.2	0.6	0.1	0.3	0.1	0.2	0.1	1	1	50	2440	42	222	0.1	223	1	1
2000B-151	8.3	1.4	0.3	1.3	0.2	0.9	0.2	0.5	0.1	0.5	0.1	4	1	50	202	24	261	0.2	118	1	1
2000B-152	35.4	7.0	1.7	5.4	0.8	3.8	0.7	2.3	0.4	2.6	0.4	44	2	50	870	46	229	1.5	344	1	1
2000B-153	45.8	8.5	1.6	7.2	1.1	4.4	0.8	2.7	0.4	2.3	0.3	4	1	50	638	28	198	0.1	171	1	1
2000B-154	13.1	2.3	0.5	2.0	0.3	1.4	0.3	0.9	0.1	0.7	0.1	29	1	50	584	28	443	0.2	274	1	1
2000B-155	24.8	4.6	0.8	3.5	0.5	2.3	0.5	1.4	0.2	1.1	0.2	14	1	50	888	19	564	0.1	332	1	1
2000B-157	38.2	7.2	1.4	5.8	0.8	3.7	0.7	2.1	0.3	1.9	0.3	9	1	50	278	14	211	0.2	146	1	1
2000B-159	19.5	3.5	0.6	2.6	0.6	1.9	0.4	1.1	0.2	1.1	0.2	21	1	50	3280	46	1040	1.4	289	1	1
2000B-160	16.3	2.9	0.7	2.8	0.4	1.7	0.4	1.2	0.2	0.9	0.2	5	1	50	550	20	370	0.4	116	1	1
2000B-161	29.6	5.6	1.0	4.1	0.7	3.1	0.6	1.6	0.2	1.5	0.2	31	1	50	136	12	537	0.1	179	1	1
2000B-162	10.1	1.8	0.4	1.6	0.3	1.0	0.2	0.7	0.1	0.6	0.1	7	1	50	455	17	546	0.3	316	1	1
2000B-165	10.8	1.9	0.3	1.6	0.2	1.0	0.2	0.5	0.1	0.4	0.1	5	1	50	1550	58	310	0.2	365	1	1
2000B-166	20.6	3.4	0.6	3.2	0.5	1.7	0.3	1.0	0.1	0.7	0.1	85	1	50	349	46	1400	0.1	91	1	1
2000B-167	19.3	3.3	0.5	2.6	0.4	1.5	0.3	0.7	0.1	0.7	0.1	3	1	50	157	46	211	0.1	104	1	1
2000B-169	9.8	1.5	0.3	1.4	0.2	0.8	0.2	0.6	0.1	0.4	0.1	26	1	50	209	41	458	0.3	214	1	1
2000B-170	6.8	1.3	0.3	1.1	0.1	0.7	0.2	0.4	0.1	0.4	0.1	11	1	50	2380	26	361	0.5	202	1	1
2000B-171-1 Field Duplicate	3.5	0.6	0.1	0.5	0.1	0.4	0.1	0.2	0.1	0.2	0.1	15	1	50	295	18	558	0.3	165	1	1
2000B-171-2 Field Duplicate	4.2	0.8	0.2	0.6	0.1	0.4	0.1	0.3	0.1	0.2	0.1	12	1	50	378	20	589	0.4	181	1	1
2000B-173	5.0	1.0	0.2	0.6	0.1	0.5	0.1	0.3	0.1	0.3	0.1	3	1	50	366	20	448	0.1	86	1	1
2000B-174	5.3	0.9	0.2	0.7	0.2	0.5	0.1	0.3	0.1	0.2	0.1	5	1	50	279	21	377	0.1	73	1	1
2000B-175	14.4	2.5	0.5	2.3	0.3	1.5	0.3	1.0	0.2	0.8	0.1	18	1	50	963	22	521	0.4	209	1	1
2000B-177	20.4	3.8	0.7	3.0	0.5	2.3	0.5	1.3	0.2	1.1	0.2	6	1	50	366	15	425	0.1	139	1	1
2000B-178	5.8	1.0	0.2	0.9	0.1	0.6	0.1	0.4	0.1	0.3	0.1	9	1	50	3130	12	462	0.2	200	1	1
2000B-179-1 Field Duplicate	5.8	1.1	0.2	1.0	0.1	0.6	0.1	0.3	0.1	0.3	0.1	5	1	50	936	13	430	0.1	141	1	1
2000B-179-2 Field Duplicate	9.3	1.8	0.4	1.5	0.2	1.0	0.2	0.6	0.1	0.5	0.1	5	1	50	400	13	483	0.2	144	1	1
2000B-180	12.2	2.2	0.4	1.9	0.3	1.1	0.2	0.7	0.1	0.5	0.1	24	1	50	1010	16	477	0.2	189	1	1
2000B-182	11.5	2.1	0.4	1.5	0.3	1.1	0.2	0.6	0.1	0.5	0.1	6	1	50	488	11	391	0.1	122	1	1
2000B-201	34.2	6.8	1.5	5.7	0.8	4.0	0.9	2.4	0.3	1.9	0.3	1	1	50	1490	19	385	0.1	93	1	1
2000B-202	38.1	7.0	1.3	6.0	1.0	4.4	0.8	2.2	0.3	2.1	0.3	1	1	50	4460	32	272	0.1	261	1	1
2000B-203	9.0	1.8	0.4	1.5	0.2	1.1	0.2	0.6	0.1	0.5	0.1	10	1	50	326	54	429	0.5	702	1	1
2000B-204	66.8	11.0	1.9	8.5	1.3	5.8	1.1	3.1	0.5	2.8	0.4	19	1	50	1840	20	332	0.1	186	1	1
2000B-205	14.7	2.7	0.6	2.5	0.3	1.7	0.3	1.0	0.1	0.8	0.1	5	1	50	355	18	428	0.2	211	1	1
2000B-206	12.6	2.7	0.6	2.1	0.3	1.5	0.3	0.9	0.1	0.8	0.1	5	1	50	3850	59	422	0.4	517	1	1
2000B-207	23.9	4.4	0.9	4.1	0.5	2.6	0.5	1.7	0.2	1.3	0.2	9	1	50	929	25	443	0.1	150	1	1
2000B-209	72.9	15.6	2.9	10.8	1.6	8.4	1.6	4.7	0.7	4.9	0.7	21	1	50	2000	19	206	0.1	133	1	1
2000B-210	41.6	8.3	1.7	7.4	1.0	5.1	1.0	3.0	0.4	2.5	0.3	1	1	50	5210	32	175	0.1	258	1	1
2000B-211	35.3	6.4	1.2	6.0	0.9	4.1	0.8	2.5	0.4	2.2	0.3	15	1	50	682	26	610	0.1	168	1	1
2000B-212	11.2	1.9	0.4	1.8	0.3	1.3	0.2	0.7	0.1	0.7	0.1	6	1	50	1890	26	511	0.1	133	1	1
2000B-213	9.5	1.8	0.5	1.4	0.2	1.1	0.2	0.7	0.1	0.7	0.1	10	4	50	2180	50	443	0.3	1790	1	1
2000B-214	94.8	18.1	3.5	14.6	2.2	11.1	2.2	6.4	0.9	6.1	0.9	3	1	50	758	12	165	0.1	174	1	1
2000B-215	122.0	20.6	3.8	17.3	2.6	11.9	2.2	6.6	0.9	6.1	0.8	4	1	50	2360	10	283	0.1	148	1	1
2000B-216	6.6	1.4	0.5	1.1	0.4	1.1	0.2	0.5	0.1	0.5	0.1	83	4	50	113	59	303	0.8	1130	1	1
2000B-217	34.1	7.1	1.5	5.5	1.0	4.4	0.9	2.3	0.3	1.9	0.3	4	1	50	1470	26	161	0.1	69	1	1
2000B-218-1 Field Duplicate	10.8	2.4	0.5	1.8	0.4	1.4	0.3	0.7	0.1	0.7	0.2	4	1	50	1160	16	370	0.1	112	1	1
2000B-218-1 Field Duplicate	8.9	1.6	0.4	1.4	0.3	1.1	0.2	0.5	0.1	0.5	0.1	8	1	50	551	12	378	0.2	146	1	1
2000B-219	24.7	4.3	0.9	3.5	0.6	2.6	0.5	1.6	0.2	1.4	0.2	1	1	50	844	14	388	0.1	136	1	1
2000B-220	67.3	12.5	2.6	10.8	1.6	7.1	1.5	4.2	0.6	3.4	0.5	3	1	50	1450	29	268	0.1	217	1	1
2000B-221	58.9	11.2	2.3	8.8	1.5	7.0	1.4	3.9	0.6	3.5	0.6	5	1	50	1320	15	433	0.1	224	1	1

Sample Site	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	S.Q. Li	Be	S.Q. Sc	Mn	Rb	Sr	Cs	Ba	Ru	Pd
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2000B-222	41.1	7.2	1.7	6.9	1.1	4.7	1.0	2.8	0.4	2.4	0.4	1	1	50	762	23	405	0.1	102	1	1
2000B-223	15.1	2.9	0.7	2.3	0.4	1.7	0.3	0.9	0.1	0.7	0.1	14	1	50	88	60	468	0.5	460	1	1
2000B-224	45.2	8.9	1.7	6.6	1.0	4.7	1.0	2.7	0.4	2.4	0.4	3	1	50	2030	23	149	0.2	111	1	1
2000B-225	38.0	6.7	1.4	5.7	0.9	4.5	0.8	2.2	0.4	2.4	0.3	4	2	50	1190	42	494	0.4	447	1	1
2000B-226	11.4	2.2	0.5	1.6	0.3	1.4	0.3	0.6	0.1	0.7	0.1	34	1	50	711	34	461	0.3	189	1	1
2000B-227	38.6	7.2	1.4	6.0	0.9	4.0	0.8	2.3	0.3	2.0	0.3	14	1	50	459	16	485	0.1	140	1	1
2000B-228	14.5	2.5	0.5	2.1	0.4	1.6	0.3	0.9	0.2	0.8	0.1	5	1	50	1480	21	430	0.2	189	1	1
2000B-239	6.4	1.3	0.3	0.9	0.2	0.7	0.1	0.4	0.1	0.4	0.1	5	1	50	481	11	339	0.1	110	1	1
2000B-230	10.6	1.9	0.5	1.7	0.3	1.3	0.3	0.7	0.1	0.5	0.1	23	3	50	206	81	368	0.9	1010	1	1
2000B-231-1 Field Duplicate	13.6	2.5	0.5	2.3	0.4	1.4	0.3	0.7	0.1	0.7	0.1	5	1	50	1230	48	488	0.2	137	1	1
2000B-231-2 Field Duplicate	8.4	1.6	0.3	1.2	0.2	1.0	0.2	0.5	0.1	0.5	0.1	3	1	50	730	22	403	0.1	135	1	1
2000B-232	8.5	1.9	0.4	1.4	0.2	1.0	0.2	0.6	0.1	0.5	0.1	3	1	50	1630	16	316	0.1	91	1	1
2000B-233	12.1	2.5	0.5	1.9	0.3	1.8	0.3	0.9	0.1	0.9	0.1	3	1	50	2210	37	205	0.1	337	1	1
2000B-234	10.5	2.2	0.3	1.6	0.3	1.3	0.2	0.7	0.1	0.6	0.1	5	1	50	300	20	405	0.1	159	1	1
2000B-235	11.4	2.4	0.5	2.0	0.3	1.4	0.3	1.0	0.1	0.8	0.1	4	1	50	1530	15	490	0.2	139	1	1
2000B-236	66.0	13.0	2.5	10.0	1.5	7.0	1.5	4.4	0.5	3.4	0.6	1	1	50	8040	11	302	0.1	170	1	1
2000B-237	13.9	2.1	0.7	2.4	0.3	1.4	0.3	0.9	0.1	0.7	0.1	14	3	50	215	66	388	0.7	1300	1	1
2000B-238	113.0	22.0	4.4	18.5	2.7	13.1	2.7	7.4	1.1	6.7	1.0	6	2	50	2140	31	404	0.1	243	1	1
2000B-239	13.9	2.5	0.5	2.4	0.3	1.4	0.3	0.8	0.1	0.7	0.1	8	1	50	468	23	416	0.1	175	1	1
2000B-240	8.7	1.5	0.3	1.1	0.2	0.9	0.2	0.4	0.1	0.4	0.1	10	1	50	2150	17	585	0.1	199	1	1
2000B-241	35.0	6.6	1.2	6.0	0.8	4.0	0.7	1.9	0.3	1.9	0.3	3	1	50	1550	23	435	0.1	232	1	1
2000B-242	10.4	1.9	0.4	1.8	0.2	1.3	0.2	0.7	0.1	0.6	0.1	14	1	50	636	21	496	0.1	184	1	1
2000B-243	54.4	9.9	2.0	7.7	1.1	5.5	0.9	2.7	0.3	2.4	0.3	20	1	50	6500	31	275	0.3	568	1	1
2000B-244	27.8	5.4	1.2	4.7	0.7	3.3	0.6	1.7	0.2	1.6	0.2	7	4	50	6070	33	578	0.2	623	1	1
2000B-245	15.1	2.9	0.6	2.4	0.3	1.6	0.3	1.0	0.1	0.9	0.1	2	1	50	593	16	381	0.1	107	1	1
2000B-246	13.5	2.7	0.6	2.1	0.4	1.7	0.3	0.8	0.1	0.8	0.1	6	1	50	465	109	339	0.6	847	1	1
2000B-247	70.2	13.2	2.6	11.6	1.6	6.7	1.3	3.9	0.6	3.3	0.4	1	1	50	2770	61	268	0.1	144	1	1
2000B-248	52.2	9.6	1.9	7.4	1.2	6.1	1.1	3.1	0.5	3.0	0.4	4	4	50	4000	43	367	0.2	601	1	1
2000B-249	44.0	8.4	1.7	7.0	1.0	4.8	0.9	2.6	0.3	2.0	0.3	1	1	50	1870	35	224	0.1	96	1	1
2000B-250-1 Field Duplicate	42.3	7.8	1.7	7.2	1.0	4.5	0.8	2.5	0.3	2.1	0.3	1	1	50	2550	36	176	0.1	124	1	1
2000B-250-2 Field Duplicate	40.2	7.0	1.3	5.3	0.8	3.8	0.7	1.9	0.3	1.7	0.2	1	1	50	1100	26	180	0.1	117	1	1
2000B-251	7.3	1.3	0.4	1.3	0.2	0.9	0.2	0.5	0.1	0.4	0.1	39	3	50	291	46	325	0.5	1120	1	1
2000B-252	15.7	3.0	0.5	2.4	0.4	1.7	0.3	1.0	0.1	0.9	0.1	3	2	50	2400	74	461	0.2	484	1	1
2000B-253	39.5	7.1	1.5	6.3	0.9	3.8	0.8	2.1	0.3	1.8	0.3	1	1	50	1210	41	270	0.1	114	1	1
2000B-254	25.8	4.7	1.0	3.9	0.6	2.8	0.5	1.4	0.2	1.4	0.2	17	1	50	567	60	460	0.5	907	1	1
2000B-255	41.6	6.9	1.2	6.3	0.9	4.2	0.7	2.2	0.3	1.9	0.3	1	1	50	1390	28	273	0.1	136	1	1
2000B-256	11.6	2.2	0.4	1.9	0.3	1.5	0.3	0.8	0.1	0.7	0.1	6	1	50	1700	17	495	0.2	158	1	1
2000B-257	9.7	1.9	0.4	1.4	0.2	1.2	0.2	0.7	0.1	0.7	0.1	2	1	50	417	19	425	0.1	132	1	1
2000B-258	17.2	3.2	0.6	2.5	0.4	1.9	0.3	1.0	0.1	0.9	0.1	3	1	50	1480	10	513	0.1	185	1	1
2000B-259	6.9	1.4	0.5	1.2	0.4	0.7	0.2	0.5	0.1	0.4	0.2	29	1	50	644	15	1280	0.3	183	1	1
2000B-260	45.0	8.8	1.9	7.4	1.2	5.0	1.2	3.0	0.4	2.4	0.4	5	1	50	910	12	332	0.1	154	1	1
2000B-261	11.2	1.9	0.4	1.7	0.3	1.3	0.3	0.7	0.1	0.6	0.1	6	3	50	353	34	621	0.7	679	1	1
2000B-262	9.8	2.1	0.4	1.7	0.3	1.0	0.2	0.7	0.1	0.5	0.1	7	1	50	1070	22	412	0.1	134	1	1
2000B-263	8.3	1.5	0.4	1.5	0.3	1.1	0.2	0.6	0.1	0.5	0.1	10	1	50	332	17	359	0.2	168	1	1
2000B-264	26.6	5.1	1.0	3.8	0.7	3.0	0.6	1.5	0.2	1.4	0.2	4	1	50	833	14	182	0.1	108	1	1
2000B-265-1 Field Duplicate	55.6	11.6	2.1	8.0	1.3	6.9	1.2	3.4	0.5	3.2	0.5	1	3	50	1860	18	228	0.1	359	1	1
2000B-265-2 Field Duplicate	25.3	5.5	1.3	4.6	0.7	3.6	0.7	2.0	0.3	1.6	0.2	14	1	50	290	39	187	0.7	385	1	1
2000B-266	20.7	3.9	0.8	3.3	0.5	2.5	0.5	1.3	0.2	1.1	0.2	3	1	50	1340	40	244	0.1	235	1	1
2000B-267	12.0	2.5	0.5	1.9	0.3	1.5	0.3	0.8	0.1	0.7	0.1	1	1	50	774	17	312	0.1	97	1	1

Sample Site	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	S.Q. Li	Be	S.Q. Sc	Mn	Rb	Sr	Cs	Ba	Ru	Pd
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2000B-268	13.9	2.6	0.6	2.1	0.4	1.8	0.3	0.9	0.1	0.8	0.1	4	2	50	435	33	319	0.5	500	1	1
2000B-269	10.2	2.0	0.5	1.7	0.3	1.3	0.2	0.7	0.1	0.7	0.1	6	1	50	1300	23	313	0.2	136	1	1
2000B-270	52.9	9.8	1.9	8.3	1.2	5.5	1.1	3.3	0.4	2.6	0.4	4	1	50	805	15	247	0.1	108	1	1
2000B-271	106.0	19.3	4.0	16.4	2.4	11.1	2.2	6.3	0.8	4.8	0.7	1	1	50	1370	31	197	0.2	158	1	1
2000B-272	57.7	10.8	2.2	9.1	1.2	6.1	1.2	3.3	0.4	2.5	0.4	8	1	50	388	19	382	0.1	136	1	1
2000B-273	42.4	7.7	1.4	6.0	1.0	4.5	0.8	2.3	0.3	1.9	0.3	1	1	50	706	34	396	0.1	167	1	1
2000B-274	33.2	6.4	1.3	4.6	0.8	3.9	0.7	1.9	0.3	1.8	0.3	2	2	50	1170	36	359	0.2	235	1	1
2000B-275	11.1	2.0	0.4	1.7	0.3	1.3	0.3	0.7	0.1	0.6	0.1	11	1	50	376	23	379	0.2	127	1	1
2000B-276	17.9	3.8	0.9	2.8	0.5	2.2	0.4	1.1	0.2	1.0	0.2	1	1	50	629	19	202	0.1	171	1	1
2000B-277	14.8	3.2	0.7	2.5	0.4	2.2	0.4	1.1	0.2	1.0	0.2	7	1	50	601	51	303	0.7	369	1	1
2000B-278	16.2	3.2	0.7	2.4	0.4	1.9	0.3	0.9	0.1	0.8	0.1	3	2	50	3880	72	137	0.2	263	1	1
2000B-279	22.9	4.5	1.0	4.1	0.6	2.9	0.6	1.6	0.2	1.5	0.2	1	1	50	1810	41	308	0.2	194	1	1
2000B-280	112.0	20.9	4.0	16.7	2.3	10.9	2.3	6.4	0.8	5.2	0.8	5	1	50	1070	16	204	0.1	124	1	1
2000B-281-1 Field Duplicate	21.8	4.1	0.9	3.4	0.5	2.5	0.5	1.5	0.2	1.1	0.2	4	1	50	878	34	501	0.2	654	1	1
2000B-281-2 Field Duplicate	6.9	1.3	0.4	1.2	0.2	0.9	0.2	0.4	0.1	0.4	0.1	22	4	50	2240	90	398	0.4	1270	1	1
2000B-282	13.5	2.9	0.8	2.5	0.4	1.9	0.4	0.9	0.1	0.8	0.1	8	2	50	487	52	460	0.2	741	1	1
2000B-283	56.6	10.2	1.9	7.9	1.4	6.1	1.1	3.1	0.4	2.7	0.4	4	1	50	462	20	223	0.3	170	1	1
2000B-284	15.0	2.9	0.6	2.2	0.3	1.8	0.3	0.9	0.1	0.8	0.1	1	1	50	90	35	239	0.2	156	1	1
2000B-285	49.8	10.0	2.0	8.5	1.2	5.8	1.2	3.6	0.5	3.2	0.5	1	1	50	1870	26	239	0.1	134	1	1
2000B-286	9.4	1.7	0.4	1.4	0.2	1.1	0.2	0.5	0.1	0.5	0.1	20	3	50	374	84	346	0.3	1090	1	1
2000B-287	13.8	3.1	0.7	2.5	0.4	2.1	0.3	0.9	0.1	0.8	0.1	6	1	50	168	111	231	1.4	988	1	1
2000B-288	5.2	1.1	0.4	1.0	0.2	0.8	0.1	0.4	0.1	0.4	0.1	20	5	50	54	89	453	0.3	1450	1	1
2000B-289	43.6	8.4	1.7	6.4	1.0	5.2	1.0	2.7	0.4	2.5	0.4	11	1	50	597	42	557	0.3	245	1	1
2000B-290	12.7	2.4	0.5	1.8	0.3	1.4	0.3	0.7	0.1	0.8	0.1	13	1	50	1660	20	622	0.2	212	1	1
2000B-291	8.6	1.7	0.4	1.2	0.2	1.0	0.2	0.5	0.1	0.6	0.1	16	1	50	746	20	470	0.3	240	1	1
2000B-292	13.1	2.4	0.5	2.1	0.3	1.5	0.3	0.7	0.1	0.7	0.1	1	1	50	618	11	491	0.1	155	1	1
2000B-293	5.7	1.0	0.2	0.8	0.1	0.6	0.1	0.3	0.1	0.3	0.1	6	1	50	1850	11	470	0.1	162	1	1
2000B-294	4.6	1.0	0.2	0.7	0.1	0.6	0.1	0.3	0.1	0.2	0.1	7	1	50	2060	11	431	0.2	178	1	1
2000B-295	14.7	3.0	0.7	2.4	0.3	1.6	0.3	0.9	0.1	0.6	0.1	1	1	50	487	21	220	0.1	206	1	1
2000B-296	8.3	1.5	0.3	1.3	0.2	0.9	0.2	0.5	0.1	0.4	0.1	13	1	50	216	20	502	0.2	166	1	1
2000B-297	6.8	1.2	0.2	1.2	0.2	0.9	0.2	0.4	0.1	0.4	0.1	9	1	50	1020	15	451	0.2	137	1	1
2000B-298	7.5	1.6	0.3	1.2	0.2	0.9	0.2	0.6	0.1	0.4	0.1	6	1	50	1230	21	428	0.5	188	1	1
2000B-299	17.7	3.5	0.7	2.6	0.4	2.0	0.4	1.1	0.1	0.9	0.1	1	1	50	835	16	224	0.1	104	1	1
2000B-300	34.8	7.2	1.5	5.7	0.8	4.2	0.8	2.5	0.3	2.3	0.3	1	2	50	1520	15	224	0.1	189	1	1
2000B-301	28.4	5.2	1.1	4.5	0.7	2.9	0.6	1.7	0.2	1.2	0.2	1	1	50	1040	33	238	0.1	92	1	1
2000B-302	24.0	4.7	0.9	3.5	0.5	2.5	0.5	1.4	0.2	1.1	0.1	5	1	50	233	55	310	1.0	473	1	1
2000B-303	4.7	1.2	0.5	1.0	0.4	0.7	0.3	0.5	0.1	0.5	0.2	18	1	50	381	11	584	0.1	177	1	1
2000B-304	5.7	1.3	0.4	1.0	0.3	0.8	0.2	0.4	0.1	0.3	0.1	15	1	50	610	16	436	0.2	167	1	1
2000B-305	35.9	6.9	1.4	5.4	0.9	4.0	0.9	2.4	0.3	1.8	0.3	1	1	50	533	8	175	0.1	64	1	1
2000B-306	27.6	5.2	1.0	3.9	0.7	3.2	0.6	1.6	0.2	1.4	0.3	3	1	50	265	20	360	0.2	161	1	1
2000B-307	9.5	1.8	0.4	1.4	0.3	1.1	0.2	0.6	0.1	0.5	0.1	3	1	50	543	20	234	0.1	98	1	1
2000B-308	21.8	3.9	0.6	3.2	0.5	1.9	0.4	1.0	0.1	0.9	0.2	1	1	50	449	29	124	0.5	217	1	1
2000B-309	27.2	4.6	0.7	3.6	0.6	2.7	0.5	1.6	0.2	1.3	0.2	9	1	50	288	37	347	0.1	153	1	1
2000B-310-1 Field Duplicate	61.0	11.5	2.1	8.8	1.3	6.8	1.3	3.4	0.5	3.2	0.5	1	1	50	1750	17	189	0.1	143	1	1
2000B-310-2 Field Duplicate	39.0	7.8	1.4	6.1	0.8	4.4	0.9	2.3	0.3	1.8	0.3	3	1	50	1320	17	182	0.1	111	1	1
2000B-311	33.9	6.0	1.2	5.2	0.8	3.7	0.7	1.9	0.3	1.5	0.2	1	1	50	1660	14	204	0.1	130	1	1
2000B-312	8.0	1.5	0.3	1.2	0.2	0.9	0.2	0.5	0.1	0.4	0.1	9	1	50	747	9	301	0.1	125	1	1
2000B-313	6.1	1.2	0.2	0.9	0.2	0.7	0.2	0.3	0.1	0.4	0.1	4	1	50	683	13	335	0.1	114	1	1
2000B-315	3.6	0.6	0.2	0.6	0.1	0.4	0.1	0.2	0.1	0.2	0.1	40	1	50	1780	13	398	0.1	213	1	1

Sample Site	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	S.Q. Li	Be	S.Q. Sc	Mn	Rb	Sr	Cs	Ba	Ru	Pd
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2000B-316	6.0	1.1	0.3	1.0	0.2	0.6	0.1	0.4	0.1	0.4	0.1	22	1	50	362	22	375	0.2	144	1	1
2000B-317	6.8	1.3	0.3	1.0	0.2	0.8	0.2	0.4	0.1	0.4	0.1	5	1	50	427	20	370	0.1	117	1	1
2000B-319	17.9	3.2	0.7	2.9	0.4	2.1	0.4	1.2	0.2	1.0	0.2	6	1	50	230	14	301	0.2	97	1	1
2000B-320	4.7	0.9	0.2	0.6	0.1	0.6	0.1	0.2	0.1	0.3	0.1	42	1	50	517	12	555	0.1	157	1	1
2000B-321	37.3	6.7	1.3	5.6	0.7	3.3	0.7	2.0	0.3	1.6	0.3	7	1	50	51	30	161	0.2	133	1	1
2000B-324	17.1	3.2	0.6	2.4	0.4	2.0	0.4	0.9	0.1	0.9	0.1	40	1	50	406	29	407	0.1	244	1	1
2000B-325	10.2	2.0	0.3	1.5	0.3	1.1	0.2	0.6	0.1	0.5	0.1	3	1	50	112	13	312	0.1	145	1	1
2000B-326	53.1	9.6	1.7	7.0	1.2	5.6	1.0	3.0	0.4	2.6	0.4	7	1	50	581	19	334	0.1	154	1	1
2000B-327	5.4	1.0	0.3	0.9	0.1	0.6	0.1	0.3	0.1	0.3	0.1	17	1	50	668	74	286	0.5	775	1	1
2000B-328	10.9	2.0	0.5	1.7	0.3	1.3	0.3	0.6	0.1	0.5	0.1	27	3	50	75	96	237	0.3	686	1	1
2000B-329-1 Field Duplicate	12.8	2.3	0.5	2.1	0.3	1.5	0.3	0.8	0.1	0.7	0.1	2	1	50	273	38	303	0.1	117	1	1
2000B-329-2 Field Duplicate	12.8	2.2	0.4	1.8	0.3	1.6	0.3	0.8	0.1	0.8	0.1	2	1	50	364	17	378	0.1	113	1	1
2000B-330	5.5	1.0	0.2	0.8	0.1	0.6	0.1	0.4	0.1	0.3	0.1	13	1	50	1250	14	479	0.1	205	1	1
2000B-331	6.6	1.1	0.3	1.0	0.2	0.9	0.2	0.4	0.1	0.4	0.1	7	1	50	624	11	454	0.1	179	1	1
2000B-332	6.5	1.1	0.4	1.1	0.2	0.8	0.1	0.4	0.1	0.4	0.1	10	2	50	382	35	611	0.1	1020	1	1
2000B-333	9.5	1.7	0.4	1.3	0.2	1.3	0.2	0.6	0.1	0.6	0.1	3	1	50	502	25	436	0.1	174	1	1
2000B-334	5.2	1.0	0.3	0.8	0.1	0.5	0.1	0.3	0.1	0.3	0.1	10	1	50	1170	13	504	0.1	189	1	1
2000B-335	4.5	0.8	0.2	0.7	0.1	0.5	0.1	0.3	0.1	0.2	0.1	6	1	50	639	8	390	0.1	126	1	1
2000B-336	5.4	0.9	0.2	0.9	0.1	0.5	0.1	0.4	0.1	0.3	0.1	6	1	50	412	10	427	0.1	154	1	1
2000B-337	3.0	0.5	0.1	0.5	0.1	0.3	0.1	0.2	0.1	0.1	0.1	12	1	50	762	8	503	0.1	174	1	1
2000B-338	16.1	2.9	0.6	2.4	0.3	1.7	0.3	0.9	0.1	0.7	0.1	5	1	50	914	7	446	0.1	141	1	1
2000B-339	14.0	2.8	0.5	1.9	0.3	1.7	0.3	0.8	0.1	0.7	0.1	7	1	50	475	15	423	0.1	115	1	1
2000B-340	2.5	0.4	0.2	0.3	0.1	0.3	0.1	0.1	0.1	0.1	0.1	16	1	50	118	72	380	0.5	792	1	1
2000B-341	6.7	1.3	0.3	0.9	0.2	0.8	0.1	0.4	0.1	0.5	0.1	6	1	50	530	42	463	0.1	199	1	1
2000B-342	4.3	0.7	0.2	0.6	0.1	0.4	0.1	0.3	0.1	0.2	0.1	1	1	50	241	26	188	0.1	141	1	1
2000B-343	6.0	1.2	0.3	1.0	0.1	0.8	0.1	0.4	0.1	0.3	0.1	1	1	50	433	28	276	0.1	358	1	1
2000B-344	14.1	3.0	0.6	2.1	0.3	1.7	0.3	0.9	0.1	0.7	0.1	1	1	50	720	16	277	0.1	117	1	1
2000B-345-1 Field Duplicate	10.6	1.9	0.5	1.8	0.3	1.3	0.3	0.9	0.1	0.8	0.1	3	1	50	385	12	401	0.1	146	1	1
2000B-345-2 Field Duplicate	9.9	1.8	0.4	1.5	0.2	1.2	0.2	0.6	0.1	0.7	0.1	4	1	50	373	11	448	0.1	178	1	1
2000B-346	4.0	0.9	0.3	0.7	0.1	0.6	0.1	0.3	0.1	0.3	0.1	34	2	50	100	46	338	0.5	812	1	1
2000B-347	2.5	0.5	0.2	0.4	0.1	0.3	0.1	0.2	0.1	0.2	0.1	19	1	50	427	32	415	0.1	226	1	1
2000B-348	11.4	2.3	0.5	1.7	0.3	1.2	0.3	0.7	0.1	0.7	0.1	7	1	50	494	12	468	0.1	163	1	1
2000B-349	7.7	1.2	0.3	1.1	0.2	0.8	0.2	0.5	0.1	0.5	0.1	4	1	50	472	12	399	0.1	152	1	1
2000B-350	5.5	1.2	0.5	1.1	0.4	0.7	0.3	0.5	0.1	0.4	0.2	19	1	50	1190	15	503	0.1	153	1	1
2000B-351	4.8	1.1	0.3	0.8	0.2	0.7	0.2	0.4	0.1	0.3	0.1	5	1	50	598	10	328	0.1	105	1	1
2000B-352	4.3	1.0	0.2	0.8	0.2	0.5	0.2	0.4	0.1	0.3	0.1	2	1	50	281	9	280	0.1	55	1	1
2000B-353	12.0	2.6	0.6	1.9	0.4	1.9	0.4	1.0	0.2	1.1	0.2	1	1	50	319	23	181	0.1	206	1	1
2000B-354	11.9	2.4	0.5	2.0	0.4	1.6	0.3	0.8	0.1	0.9	0.2	3	1	50	1200	15	267	0.1	117	1	1
2000B-355	11.8	2.3	0.4	1.7	0.3	1.3	0.3	0.7	0.1	0.7	0.1	8	1	50	432	43	251	0.2	149	1	1
2000B-356	6.1	1.1	0.3	0.8	0.2	0.7	0.1	0.4	0.1	0.3	0.1	6	1	50	399	21	296	0.1	129	1	1
2000B-357	13.9	2.8	0.6	2.0	0.4	1.7	0.4	0.9	0.1	0.7	0.1	4	1	50	170	14	311	0.1	108	1	1
2000B-358	3.0	0.5	0.2	0.4	0.1	0.3	0.1	0.2	0.1	0.2	0.1	32	1	50	1290	15	1310	0.1	240	1	1
2000B-359	5.2	0.8	0.3	0.8	0.1	0.6	0.1	0.3	0.1	0.3	0.1	4	1	50	890	49	270	0.4	674	1	1
2000B-360	18.9	3.7	0.8	2.9	0.5	2.2	0.4	1.2	0.2	1.0	0.2	14	1	50	162	25	164	0.2	115	1	1
2000B-361	34.8	6.7	1.4	5.7	0.9	4.2	0.8	2.4	0.3	2.0	0.3	1	1	50	576	15	217	0.1	116	1	1
2000B-362	20.6	3.9	0.8	3.0	0.5	2.2	0.5	1.3	0.2	1.1	0.2	1	1	50	948	7	269	0.1	123	1	1
2000B-363	30.6	5.7	1.1	4.4	0.7	3.3	0.6	1.7	0.2	1.5	0.3	15	1	50	1570	12	386	0.1	159	1	1
2000B-364	7.6	1.4	0.3	1.2	0.2	0.9	0.2	0.5	0.1	0.4	0.1	5	1	50	563	15	413	0.1	179	1	1
2000B-365	5.7	1.1	0.3	0.9	0.2	0.6	0.1	0.3	0.1	0.3	0.1	17	1	50	527	15	524	0.1	207	1	1

Sample Site	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	S.Q. Li	Be	S.Q. Sc	Mn	Rb	Sr	Cs	Ba	Ru	Pd
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2000B-366	5.5	1.1	0.2	0.8	0.1	0.6	0.1	0.3	0.1	0.3	0.1	4	1	50	225	5	371	0.1	152	1	1
2000B-367	9.2	1.8	0.4	1.4	0.2	1.2	0.2	0.6	0.1	0.5	0.1	1	1	50	432	8	396	0.1	112	1	1
2000B-368	12.9	2.5	0.6	1.9	0.3	1.5	0.3	1.0	0.1	0.7	0.1	4	1	50	1220	8	412	0.1	130	1	1

ICP-AES

Sample Site	Os	Pt	Fe	Ca	Na	Mg	K	Cr	S	Si	Al	H+	K	pH
	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	mhos cm^{-1}	
2000B-1	1	1	2	494.5	3	26.1	19	0.1	5	6.9	2.5	-2.29	8.2	6.41
2000B-2	1	1	3	80.7	34	19.7	17	0.1	5	27.2	4.2	-2.01	2.6	4.08
2000B-3	1	1	2	386.3	3	59.5	16	0.1	5	21.4	3.5	-2.29	10.1	5.98
2000B-4	1	1	4	94.0	3	20.0	22	0.1	5	25.5	5.9	-1.65	3.0	4.05
2000B-5	1	1	8	47.5	3	15.0	19	0.1	5	47.6	12.3	-0.71	1.4	3.99
2000B-6	1	1	2	184.8	6	34.7	8	0.1	5	25.8	1.9	-2.28	5.4	4.34
2000B-8	1	1	2	404.1	3	38.1	16	0.1	5	10.8	2.9	-2.29	7.9	6.17
2000B-9	1	1	1	312.2	3	54.6	8	0.1	11	16.7	1.4	-2.29	7.7	5.88
2000B-10	1	1	2	297.6	11	51.3	23	0.1	5	37.3	2.4	-2.29	9.3	5.75
2000B-11	1	1	2	69.6	25	12.2	23	0.1	5	27.3	2.3	-1.74	2.4	4.09
2000B-12	1	1	2	489.0	3	33.8	17	0.1	5	10.1	1.6	-2.29	14.5	6.48
2000B-13	1	1	1	367.5	3	49.3	18	0.1	5	8.5	2.4	-2.29	6.5	6.25
2000B-14	1	1	2	404.5	3	60.9	17	0.1	5	14.7	1.6	-2.29	10.8	6.24
2000B-15	1	1	2	523.3	26	69.7	29	0.1	5	18.3	1.5	-2.29	18.4	6.63
2000B-16-1 Field Duplicate	1	1	2	174.4	9	38.2	8	0.1	5	14.8	2.4	-2.28	4.3	5.18
2000B-16-2 Field Duplicate	1	1	1	409.7	7	50.4	8	0.1	5	7.8	1.9	-2.29	10.4	6.28
2000B-17	1	1	1	473.6	3	30.7	21	0.1	5	9.0	1.9	-2.29	15.4	6.73
2000B-18	1	1	2	225.8	3	38.9	21	0.1	5	24.8	1.9	-2.28	8.0	5.86
2000B-24	1	1	1	380.4	3	64.5	26	0.1	5	15.9	1.3	-2.29	14.2	6.31
2000B-25	1	1	2	314.2	3	51.5	24	0.1	5	26.1	3.1	-2.29	8.6	5.87
2000B-26	1	1	2	221.4	3	27.7	20	0.1	5	11.9	2.5	-2.29	5.6	4.66
2000B-27	1	1	2	534.4	3	26.9	8	0.1	5	5.9	2.1	-2.29	13.4	6.92
2000B-28	1	1	2	503.2	3	30.1	21	0.1	5	8.4	1.7	-2.29	11.1	6.76
2000B-29	1	1	2	627.6	9	31.0	20	0.1	5	8.0	1.7	-2.29	14.6	6.94
2000B-30	1	1	2	620.8	3	20.3	20	0.1	5	5.9	1.9	-2.29	14.2	6.97
2000B-31	1	1	2	196.7	6	44.5	8	0.1	5	22.6	4.1	-2.26	6.5	4.46
2000B-33	1	1	4	549.0	3	18.4	36	0.1	5	6.4	2.2	-2.29	9.4	6.56
2000B-34	1	1	2	531.2	3	28.2	24	0.1	5	3.1	1.0	-2.29	4.2	6.48
2000B-35-1 Field Duplicate	1	1	2	322.3	3	53.3	27	0.1	5	7.1	2.0	-2.29	6.1	6.50
2000B-35-2 Field Duplicate	1	1	2	353.8	3	43.3	16	0.1	5	5.4	1.7	-2.29	5.8	5.79
2000B-36	1	1	1	562.7	3	36.6	29	0.1	5	9.2	1.4	-2.29	14.9	6.76
2000B-37	1	1	1	544.6	3	61.2	32	0.1	5	27.5	0.7	-2.29	23.4	6.86
2000B-38	1	1	1	557.6	3	87.9	8	0.1	5	22.9	2.2	-2.29	17.3	6.56
2000B-39	1	1	1	435.5	13	73.0	19	0.1	5	29.2	1.7	-2.29	13.1	6.53
2000B-40	1	1	2	189.2	3	42.1	8	0.1	5	28.2	5.2	-2.26	6.3	4.39
2000B-41	1	1	2	167.6	3	37.0	8	0.1	5	32.4	3.6	-2.27	7.4	4.11
2000B-42	1	1	2	530.2	3	22.5	30	0.1	5	10.1	2.1	-2.29	13.8	6.70
2000B-43	1	1	2	254.5	3	45.6	18	0.1	5	25.2	2.4	-2.29	7.5	4.81
2000B-44	1	1	2	573.4	3	70.7	18	0.1	5	34.6	1.9	-2.29	21.0	6.49
2000B-45	1	1	4	540.8	3	37.4	38	0.1	5	16.7	2.4	-2.29	16.3	6.92
2000B-46	1	1	2	178.5	3	40.8	8	0.1	5	25.0	4.2	-2.26	5.0	4.17
2000B-47	1	1	1	561.2	3	30.8	27	0.1	5	11.9	1.5	-2.29	14.5	6.58

Sample Site	Os	Pt	Fe	Ca	Na	Mg	K	Cr	S	Si	Al	H'	K	pH
	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	mhos cm^{-1}	
2000B-48	1	1	1	488.9	3	98.5	8	0.1	5	28.8	1.1	-2.29	18.4	6.49
2000B-49	1	1	2	544.8	3	37.6	34	0.1	5	12.3	0.8	-2.29	16.1	6.54
2000B-50	1	1	1	587.2	3	23.5	22	0.1	5	6.1	1.0	-2.29	12.0	6.65
2000B-51	1	1	2	360.2	3	66.1	20	0.1	5	11.8	1.6	-2.29	5.8	5.85
2000B-52	1	1	1	640.6	3	40.6	54	0.1	136	12.3	0.9	-2.29	35.7	6.66
2000B-53-1 Field Duplicate	1	1	1	344.9	3	47.3	16	0.1	5	10.3	0.7	-2.29	7.0	5.53
2000B-53-2 Field Duplicate	1	1	1	516.8	3	51.7	21	0.1	5	8.0	0.6	-2.29	16.8	6.44
2000B-54	1	1	1	489.2	3	53.2	28	0.1	5	9.8	0.6	-2.29	19.3	6.76
2000B-55	1	1	2	532.4	10	30.0	15	0.1	5	7.9	1.4	-2.29	17.8	6.75
2000B-56	1	1	4	468.2	3	19.4	37	0.1	5	6.6	2.0	-2.29	12.7	6.60
2000B-57	1	1	1	482.3	3	38.3	8	0.1	5	5.1	1.8	-2.29	13.8	6.46
2000B-58	1	1	2	436.3	14	59.7	20	0.1	5	23.1	1.4	-2.29	21.9	6.67
2000B-60	1	1	3	94.5	3	25.2	22	0.1	5	15.0	5.7	-2.00	2.3	4.16
2000B-61	1	1	2	549.9	3	23.4	26	0.1	5	4.7	1.9	-2.29	12.2	6.55
2000B-62	1	1	1	497.0	3	34.2	23	0.1	5	13.8	1.0	-2.29	16.7	6.71
2000B-63	1	1	5	127.9	3	19.8	23	0.1	5	32.1	6.6	-2.25	5.9	4.45
2000B-64	1	1	2	116.1	17	31.0	8	0.1	5	24.6	4.0	-2.25	4.8	4.27
2000B-65	1	1	2	441.8	3	64.9	24	0.1	5	11.5	2.2	-2.29	11.2	5.99
2000B-66	1	1	2	156.2	3	42.9	21	0.1	5	19.0	2.4	-2.12	5.8	4.65
2000B-67	1	1	2	368.7	3	62.4	24	0.1	5	19.5	1.3	-2.13	10.0	5.83
2000B-68	1	1	1	384.9	3	73.1	8	0.1	5	15.2	1.6	-2.13	8.7	6.21
2000B-69-1 Field Duplicate	1	1	3	123.6	3	26.4	25	0.1	5	31.7	3.4	-2.07	4.6	4.25
2000B-69-2 Field Duplicate	1	1	5	127.0	3	26.8	8	0.1	5	34.7	3.6	-2.11	5.3	4.28
2000B-71	1	1	2	213.4	3	40.7	16	0.1	5	24.6	1.8	-2.13	6.3	4.67
2000B-72	1	1	2	357.2	15	53.1	24	0.1	5	25.8	2.5	-2.14	9.3	6.17
2000B-73	1	1	1	681.5	7	33.1	25	0.1	5	7.5	0.8	-2.14	11.1	6.70
2000B-74	1	1	1	669.8	3	37.8	29	0.1	5	13.3	1.4	-2.14	14.2	6.83
2000B-75	1	1	3	172.5	3	34.4	22	0.1	5	35.6	4.1	-2.08	5.0	4.28
2000B-76-1 Field Duplicate	1	1	1	601.1	3	46.1	15	0.1	11	14.4	1.0	-2.14	15.7	6.83
2000B-76-2 Field Duplicate	1	1	1	626.4	3	41.4	25	0.1	5	13.9	1.0	-2.14	16.8	6.83
2000B-77	1	1	4	68.1	3	20.4	47	0.1	5	13.3	23.5	-0.73	1.5	3.99
2000B-78	1	1	5	91.3	3	21.3	26	0.1	5	28.7	5.7	-2.00	3.2	4.14
2000B-79	1	1	1	504.5	15	52.3	33	0.1	5	20.5	1.6	-2.14	13.7	6.45
2000B-80	1	1	3	108.2	3	30.6	32	0.1	5	9.2	6.4	-1.93	2.1	4.03
2000B-81	1	1	2	554.4	8	62.2	22	0.1	5	17.6	1.3	-2.14	13.2	6.42
2000B-82	1	1	8	144.9	3	22.7	24	0.1	5	48.3	7.8	-2.12	4.4	4.20
2000B-83	1	1	1	570.8	3	76.0	33	0.1	12	20.1	0.9	-2.14	15.2	6.55
2000B-84	1	1	1	505.2	3	85.0	21	0.1	5	19.0	1.6	-2.14	9.0	6.07
2000B-85	1	1	1	601.9	3	48.4	24	0.1	5	19.9	1.3	-2.14	19.4	6.68
2000B-86	1	1	2	121.3	19	22.9	32	0.1	5	23.0	2.6	-1.67	2.3	4.17
2000B-87	1	1	1	594.5	3	47.1	23	0.1	5	14.5	0.4	-2.14	13.5	6.38
2000B-88	1	1	15	123.1	7	25.4	28	0.1	5	62.4	18.6	-2.11	3.3	4.08
2000B-89	1	1	3	98.4	3	22.2	43	0.1	5	9.3	12.6	-1.45	1.3	3.89
2000B-90	1	1	4	215.4	3	51.4	21	0.1	5	43.7	4.0	-2.12	9.8	4.32
2000B-91	1	1	2	699.7	3	31.4	21	0.1	5	5.9	1.4	-2.14	18.4	6.66
2000B-93	1	1	3	186.5	12	46.2	22	0.1	5	33.4	6.4	-1.86	5.7	4.19
2000B-94	1	1	2	611.4	3	47.3	19	0.1	5	7.6	1.0	-2.14	11.7	6.44
2000B-96	1	1	1	650.1	3	43.8	23	0.1	10	8.1	1.2	-2.14	16.8	6.24
2000B-97	1	1	2	416.9	3	32.0	36	0.1	5	6.6	1.4	-2.14	8.3	5.92

Sample Site	Os	Pt	Fe	Ca	Na	Mg	K	Cr	S	Si	Al	H+	K	pH
	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	mhos cm^{-1}	
2000B-98	1	1	4	124.9	3	28.5	22	0.1	5	25.4	5.3	-1.91	4.5	4.12
2000B-99	1	1	6	375.2	3	35.4	56	0.1	23	15.7	4.6	-2.14	19.1	6.27
2000B-100	1	1	3	476.6	3	32.3	42	0.1	5	11.1	3.0	-2.14	18.6	6.63
2000B-101	1	1	3	341.0	3	42.8	39	0.1	5	15.5	2.7	-2.14	11.1	6.08
2000B-102-1 Field Duplicate	1	1	2	509.2	3	26.4	26	0.1	5	5.4	1.8	-2.14	15.1	6.37
2000B-102-2 Field Duplicate	1	1	2	344.3	3	31.9	22	0.1	5	8.7	3.1	-2.14	7.0	4.79
2000B-103	1	1	5	111.2	3	27.4	8	0.1	5	32.3	6.1	-2.08	6.1	4.07
2000B-104	1	1	3	546.6	3	24.2	29	0.1	5	7.2	2.7	-2.14	13.8	6.38
2000B-105	1	1	4	184.6	3	33.9	19	0.1	5	30.0	6.0	-2.12	8.1	4.15
2000B-106	1	1	3	465.5	7	35.8	31	0.1	5	12.0	1.9	-2.14	18.6	6.35
2000B-107	1	1	2	581.7	3	40.3	25	0.1	11	3.5	0.5	-2.14	19.1	6.66
2000B-108	1	1	4	499.8	3	31.2	8	0.1	10	6.8	1.4	-2.14	16.3	6.51
2000B-109	1	1	2	629.1	3	34.7	8	0.1	5	6.5	2.3	-2.14	13.0	6.53
2000B-110	1	1	2	518.8	3	46.9	8	0.1	5	16.0	2.6	-2.14	13.8	6.23
2000B-112	1	1	1	625.7	3	37.1	25	0.1	5	14.8	0.7	-2.14	22.6	6.73
2000B-113	1	1	1	576.5	3	46.6	27	0.1	5	10.9	2.1	-2.14	17.1	6.90
2000B-114	1	1	2	643.2	3	68.7	29	0.1	10	7.5	0.9	-2.14	18.7	6.46
2000B-115	1	1	2	577.5	13	24.8	32	0.1	5	8.2	2.1	-2.14	14.8	6.63
2000B-116	1	1	9	161.9	7	37.4	25	0.1	5	13.4	10.0	-1.33	4.6	4.21
2000B-117	1	1	2	312.9	3	65.4	8	0.1	5	18.1	2.3	-2.13	7.4	4.65
2000B-118	1	1	2	614.4	3	53.2	48	0.1	5	18.8	2.1	-2.14	22.4	6.79
2000B-119	1	1	2	641.7	3	42.2	43	0.1	5	14.3	1.4	-2.14	16.3	6.70
2000B-120	1	1	2	592.3	3	26.5	40	0.1	5	3.5	1.3	-2.14	13.5	6.60
2000B-121	1	1	2	455.3	3	117.3	34	0.1	5	22.2	1.8	-2.14	15.5	6.00
2000B-122	1	1	5	618.6	3	27.9	32	0.1	5	5.9	2.5	-2.14	14.5	6.56
2000B-124	1	1	2	319.1	3	42.7	26	0.1	5	17.9	2.3	-2.13	7.7	5.48
2000B-125	1	1	2	555.7	3	37.0	26	0.1	5	9.6	1.6	-2.14	16.0	6.35
2000B-126	1	1	4	176.6	16	50.7	24	0.1	5	25.2	4.6	-2.07	6.7	4.07
2000B-127	1	1	3	523.1	3	33.6	37	0.1	11	9.6	1.7	-2.14	16.2	6.65
2000B-128	1	1	1	592.9	3	33.7	22	0.1	5	6.8	1.7	-2.00	17.0	6.67
2000B-129	1	1	1	633.9	3	27.7	19	0.1	5	3.8	1.8	-2.00	13.2	6.52
2000B-130-1 Field Duplicate	1	1	1	578.8	3	54.1	34	0.1	5	31.0	1.4	-2.00	22.3	6.59
2000B-130-2 Field Duplicate	1	1	1	591.8	3	54.3	46	0.1	5	31.8	1.0	-2.00	23.6	6.61
2000B-131	1	1	1	594.7	3	42.1	17	0.1	5	11.1	1.5	-2.00	16.2	6.78
2000B-132	1	1	1	513.6	3	42.5	18	0.1	5	16.6	2.0	-2.00	13.9	6.53
2000B-133	1	1	1	575.0	11	55.8	27	0.1	5	32.2	1.3	-1.99	26.6	6.48
2000B-134	1	1	2	700.7	5	35.5	34	0.1	11	8.1	1.6	-2.00	15.4	6.63
2000B-135	1	1	7	167.5	3	36.3	45	0.1	5	18.7	8.7	-1.25	4.6	4.18
2000B-136	1	1	2	709.2	3	37.3	36	0.1	5	12.1	0.8	-2.00	19.0	6.66
2000B-137-1 Field Duplicate	1	1	1	591.5	3	86.9	23	0.1	5	30.4	1.6	-1.99	14.0	6.34
2000B-137-2 Field Duplicate	1	1	1	471.7	3	72.7	25	0.1	5	27.8	1.2	-1.99	10.0	5.67
2000B-138	1	1	1	633.7	5	52.2	29	0.1	5	16.8	1.8	-2.00	19.3	6.66
2000B-139	1	1	1	658.5	3	35.3	34	0.1	5	10.3	0.9	-2.00	13.5	6.51
2000B-140	1	1	3	173.4	3	60.8	25	0.1	5	14.9	6.7	-1.83	2.6	4.21
2000B-142	1	1	1	657.3	3	78.4	35	0.1	5	38.9	1.4	-2.00	25.5	6.77
2000B-143	1	1	1	535.6	34	92.6	18	0.1	25	11.7	1.3	-1.99	28.0	6.39
2000B-145	1	1	3	133.7	3	23.6	8	0.1	5	24.4	5.4	-1.95	6.4	4.26
2000B-146	1	1	2	580.7	3	42.1	35	0.1	5	9.8	0.9	-2.00	19.0	6.48
2000B-148	1	1	8	42.2	9	15.5	33	0.1	5	28.3	16.9	2.68	2.5	4.19

Sample Site	Os	Pt	Fe	Ca	Na	Mg	K	Cr	S	Si	Al	H+	K	pH
	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	mhos cm^{-1}	
2000B-149-1 Field Duplicate	1	1	4	110.0	3	26.5	21	0.1	5	13.1	3.1	-1.92	2.8	4.26
2000B-149-2 Field Duplicate	1	1	2	127.1	3	16.6	20	0.1	5	12.8	2.5	-1.95	3.4	4.18
2000B-151	1	1	1	369.6	3	32.0	8	0.1	5	5.8	2.0	-1.99	4.7	5.74
2000B-152	1	1	8	79.1	3	16.4	29	0.1	5	32.5	10.2	-0.76	1.9	4.11
2000B-153	1	1	2	157.3	3	30.0	17	0.1	5	13.8	3.8	-1.93	5.2	4.15
2000B-154	1	1	1	492.6	3	45.5	28	0.1	5	9.0	0.9	-2.00	14.7	6.42
2000B-155	1	1	1	431.9	3	56.7	29	0.1	5	22.0	1.4	-1.99	14.2	6.27
2000B-157	1	1	3	132.1	3	27.0	8	0.1	5	20.8	4.4	-1.88	5.8	4.14
2000B-159	1	1	7	1317.6	3	80.0	63	0.1	11	21.2	7.7	-2.00	15.0	6.55
2000B-160	1	1	3	446.5	3	28.6	31	0.1	5	4.9	1.6	-1.99	6.6	6.30
2000B-161	1	1	1	350.9	23	80.2	18	0.1	5	17.5	0.6	-1.99	11.4	6.22
2000B-162	1	1	2	516.6	3	17.2	19	0.1	5	5.8	1.4	-2.00	13.0	6.51
2000B-165	1	1	3	103.7	3	10.0	43	0.1	5	4.3	6.8	-1.58	2.5	4.05
2000B-166	1	1	4	357.3	3	78.2	17	0.1	5	21.2	2.1	-1.99	11.5	4.03
2000B-167	1	1	4	131.0	3	23.8	33	0.1	5	16.2	4.4	-1.95	4.4	4.05
2000B-169	1	1	2	520.8	3	36.1	33	0.1	5	18.0	0.8	-2.00	22.1	6.51
2000B-170	1	1	3	434.8	3	16.7	38	0.1	5	11.7	3.0	-2.00	12.9	6.53
2000B-171-1 Field Duplicate	1	1	2	471.7	3	27.3	36	0.1	5	11.4	1.9	-2.00	16.4	6.36
2000B-171-2 Field Duplicate	1	1	2	490.2	3	26.5	29	0.1	5	9.4	1.9	-2.00	15.9	6.37
2000B-173	1	1	1	649.3	3	35.4	32	0.1	5	3.7	1.6	-2.00	15.6	6.82
2000B-174	1	1	2	596.1	3	34.2	29	0.1	5	3.5	0.8	-2.00	9.8	6.46
2000B-175	1	1	2	666.6	8	49.0	21	0.1	5	13.2	2.6	-2.00	17.1	6.59
2000B-177	1	1	1	469.4	3	70.5	28	0.1	5	11.2	1.3	-1.99	5.8	5.97
2000B-178	1	1	1	665.9	3	30.5	21	0.1	11	6.6	1.1	-2.00	14.9	6.76
2000B-179-1 Field Duplicate	1	1	1	657.7	3	45.5	26	0.1	5	9.7	0.8	-2.00	14.8	6.65
2000B-179-2 Field Duplicate	1	1	1	615.6	3	55.0	25	0.1	5	12.2	1.1	-1.99	12.2	6.15
2000B-180	1	1	4	560.8	3	76.1	24	0.1	5	23.4	1.7	-2.00	20.4	6.64
2000B-182	1	1	1	607.7	3	60.8	19	0.1	5	12.4	1.2	-2.00	18.3	6.66
2000B-201	1	1	2	396.0	11	68.2	23	0.1	5	16.7	2.1	-1.99	7.5	5.71
2000B-202	1	1	2	155.4	3	49.9	39	0.1	5	17.5	5.9	-1.94	3.1	4.12
2000B-203	1	1	2	101.2	3	16.8	41	0.1	5	20.4	18.9	-1.68	1.8	3.97
2000B-204	1	1	2	234.8	3	43.9	8	0.1	5	40.5	2.5	-2.03	5.7	4.73
2000B-205	1	1	2	682.5	3	29.9	26	0.1	11	6.0	1.3	-2.04	10.1	6.46
2000B-206	1	1	1	130.0	3	22.8	47	0.1	5	26.6	11.2	-1.88	2.6	4.07
2000B-207	1	1	1	511.4	3	79.0	17	0.1	10	27.7	1.6	-2.04	12.9	6.25
2000B-209	1	1	2	140.7	26	32.0	8	0.1	5	37.3	3.8	-1.93	3.9	4.34
2000B-210	1	1	4	174.1	3	44.5	32	0.1	5	8.9	5.2	-1.95	2.9	4.12
2000B-211	1	1	1	676.6	11	138.4	29	0.1	5	27.7	1.5	-2.04	18.8	6.29
2000B-212	1	1	1	725.7	3	37.8	33	0.1	5	5.0	0.8	-2.04	12.6	6.54
2000B-213	1	1	5	67.6	3	24.6	54	0.1	5	16.3	12.8	-1.48	2.1	3.94
2000B-214	1	1	6	180.6	3	39.6	8	0.1	5	25.2	20.8	-1.75	4.0	4.31
2000B-215	1	1	2	199.5	34	51.3	8	0.1	5	26.5	2.9	-2.01	5.1	4.55
2000B-216	1	1	4	39.1	3	11.9	17	0.1	5	15.5	26.7	0.65	1.3	4.03
2000B-217	1	1	3	217.3	7	49.8	8	0.1	5	7.5	4.4	-2.04	2.9	4.92
2000B-218-1 Field Duplicate	1	1	2	551.0	21	34.1	8	0.1	5	4.7	1.8	-2.04	10.1	6.31
2000B-218-1 Field Duplicate	1	1	1	556.0	3	34.0	8	0.1	5	7.0	0.6	-2.04	14.8	6.37
2000B-219	1	1	2	282.5	21	54.5	8	0.1	5	13.4	2.1	-2.04	7.7	5.89
2000B-220	1	1	2	277.4	14	58.0	8	0.1	5	21.2	2.9	-2.03	8.5	5.12
2000B-221	1	1	1	444.6	3	91.6	8	0.1	5	24.1	1.4	-2.04	13.3	6.23

Sample Site	Os	Pt	Fe	Ca	Na	Mg	K	Cr	S	Si	Al	H^+	K	pH
	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	mhos cm^{-1}	
2000B-222	1	1	2	365.0	15	74.6	8	0.1	12	18.4	2.5	-2.04	8.3	5.98
2000B-223	1	1	3	88.8	6	23.9	18	0.1	5	17.5	14.1	-1.33	2.4	4.14
2000B-224	1	1	2	120.4	7	33.2	8	0.1	5	21.4	2.7	-1.95	3.4	4.60
2000B-225	1	1	3	100.9	29	28.3	8	0.1	5	17.8	16.5	-1.11	2.2	4.15
2000B-226	1	1	1	576.1	16	43.9	16	0.1	5	17.0	1.1	-2.04	19.2	6.81
2000B-227	1	1	1	442.8	28	78.6	8	0.1	5	24.1	0.8	-2.04	15.5	6.41
2000B-228	1	1	4	602.9	6	28.2	16	0.1	5	6.3	1.2	-2.04	13.9	6.49
2000B-239	1	1	1	557.8	7	34.2	8	0.1	5	9.2	1.1	-2.04	16.6	6.66
2000B-230	1	1	6	75.5	3	10.7	8	0.1	5	13.0	31.7	-0.75	1.5	4.01
2000B-231-1 Field Duplicate	1	1	1	510.8	15	66.2	8	0.1	5	10.6	1.1	-2.04	16.7	6.24
2000B-231-2 Field Duplicate	1	1	1	514.3	17	49.7	8	0.1	5	8.5	1.4	-2.04	16.1	4.48
2000B-232	1	1	2	473.2	16	55.0	8	0.1	5	3.2	1.5	-2.04	6.6	6.27
2000B-233	1	1	1	121.5	18	24.4	8	0.1	5	12.0	3.8	-1.94	2.6	4.25
2000B-234	1	1	1	485.0	7	34.8	8	0.1	5	12.1	1.8	-2.04	12.5	6.34
2000B-235	1	1	2	791.8	11	54.1	8	0.1	11	5.0	2.0	-2.04	14.1	6.80
2000B-236	1	1	3	220.7	34	72.9	8	0.1	5	19.5	3.5	-2.02	5.6	5.66
2000B-237	1	1	2	85.1	22	17.1	19	0.1	5	20.5	30.9	-1.15	2.0	4.24
2000B-238	1	1	4	428.7	27	95.1	8	0.1	5	29.7	4.4	-2.04	10.3	5.60
2000B-239	1	1	2	715.9	17	29.3	8	0.1	5	7.1	2.0	-2.04	13.1	6.60
2000B-240	1	1	3	747.5	14	43.7	8	0.1	11	7.2	0.9	-2.04	15.7	6.68
2000B-241	1	1	4	162.6	20	51.0	8	0.1	5	21.8	9.1	-1.82	3.7	4.31
2000B-242	1	1	1	683.4	35	37.8	8	0.1	5	6.1	1.2	-2.04	14.8	6.45
2000B-243	1	1	4	141.7	14	70.1	8	0.1	5	16.4	18.9	-1.41	1.7	4.47
2000B-244	1	1	2	101.1	20	20.8	8	0.1	5	14.4	11.1	-1.47	1.9	3.98
2000B-245	1	1	2	601.0	3	37.7	8	0.1	5	3.4	1.3	-2.04	10.0	6.22
2000B-246	1	1	2	136.2	3	26.3	38	0.1	13	20.7	15.4	-1.83	3.8	4.31
2000B-247	1	1	2	252.2	3	44.4	8	0.1	5	21.8	4.0	-2.04	4.5	4.68
2000B-248	1	1	6	105.7	9	32.7	8	0.1	5	13.9	15.4	-1.50	2.1	4.15
2000B-249	1	1	2	269.3	13	44.2	8	0.1	5	11.6	2.4	-2.04	4.1	4.81
2000B-250-1 Field Duplicate	1	1	1	189.7	8	32.2	8	0.1	5	8.7	3.3	-2.02	3.0	4.33
2000B-250-2 Field Duplicate	1	1	2	168.0	16	34.2	8	0.1	5	13.6	3.9	-2.02	3.0	4.39
2000B-251	1	1	3	97.3	19	14.0	17	0.1	5	12.6	26.0	-0.81	1.4	4.93
2000B-252	1	1	5	140.1	7	24.9	44	0.1	5	27.2	25.4	-1.89	2.9	4.58
2000B-253	1	1	2	258.9	26	55.0	8	0.1	5	13.2	3.8	-2.04	4.1	5.15
2000B-254	1	1	5	123.8	10	32.3	24	0.1	5	15.6	19.2	-1.15	2.3	4.10
2000B-255	1	1	2	290.3	10	61.0	8	0.1	5	10.2	2.3	-2.04	4.3	5.62
2000B-256	1	1	1	677.9	17	31.9	8	0.1	5	7.4	1.6	-2.04	14.0	6.53
2000B-257	1	1	2	701.8	3	39.3	8	0.1	5	6.2	0.5	-2.04	15.3	6.88
2000B-258	1	1	2	685.3	13	79.7	8	0.1	5	5.8	2.5	-2.04	9.3	6.52
2000B-259	1	1	1	479.4	30	40.2	8	0.1	5	10.6	1.3	-2.04	19.7	6.85
2000B-260	1	1	2	401.0	6	55.6	8	0.1	5	12.5	1.3	-2.04	10.5	6.44
2000B-261	1	1	3	76.1	15	28.2	8	0.1	5	13.2	15.6	-0.81	1.8	4.24
2000B-262	1	1	1	499.8	22	62.2	8	0.1	5	7.0	1.5	-2.04	16.9	6.82
2000B-263	1	1	2	533.0	3	30.1	8	0.1	5	6.2	1.3	-2.04	16.1	6.86
2000B-264	1	1	4	208.7	3	37.6	8	0.1	5	6.5	2.3	-2.04	4.7	5.86
2000B-265-1 Field Duplicate	1	1	3	108.9	25	23.6	8	0.1	5	11.8	6.0	-1.50	2.9	4.39
2000B-265-2 Field Duplicate	1	1	8	84.6	21	20.5	8	0.1	5	20.0	15.2	-0.34	2.9	4.33
2000B-266	1	1	2	97.6	12	15.9	8	0.1	5	12.6	7.3	-1.69	2.1	4.27
2000B-267	1	1	2	508.6	18	33.5	8	0.1	5	4.9	1.5	-2.04	10.4	6.47

Sample Site	Os	Pt	Fe	Ca	Na	Mg	K	Cr	S	Si	Al	H+	K	pH
	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	mhos cm^{-1}	
2000B-268	1	1	2	88.8	17	22.1	8	0.1	5	12.5	11.4	-0.60	2.1	4.28
2000B-269	1	1	2	466.3	29	30.5	8	0.1	5	5.2	1.7	-2.04	10.9	6.57
2000B-270	1	1	1	200.0	9	40.6	8	0.1	5	18.8	3.1	-1.99	6.2	5.41
2000B-271	1	1	3	133.3	8	34.2	8	0.1	5	14.3	7.8	-1.79	4.1	4.43
2000B-272	1	1	2	300.7	39	52.5	8	0.1	5	18.5	1.5	-1.99	8.6	6.22
2000B-273	1	1	2	305.2	9	57.0	8	0.1	5	11.9	2.4	-1.99	7.8	5.96
2000B-274	1	1	2	91.3	5	24.0	8	0.1	5	13.9	8.7	-1.24	2.1	4.25
2000B-275	1	1	1	479.9	3	32.1	8	0.1	5	8.7	1.3	-2.00	15.3	6.60
2000B-276	1	1	5	103.5	30	31.7	8	0.1	5	8.6	5.8	-1.70	2.7	4.51
2000B-277	1	1	2	85.5	22	23.6	8	0.1	5	14.0	9.3	-1.22	2.0	4.28
2000B-278	1	1	3	66.8	23	11.6	21	0.1	5	7.6	9.6	-1.71	1.9	4.00
2000B-279	1	1	2	93.6	3	27.1	8	0.1	5	13.5	7.5	-1.53	2.5	4.17
2000B-280	1	1	1	192.9	16	42.3	8	0.1	5	24.6	1.9	-1.97	5.3	5.32
2000B-281-1 Field Duplicate	1	1	3	117.0	8	27.1	8	0.1	5	21.5	14.5	-1.61	2.6	4.30
2000B-281-2 Field Duplicate	1	1	2	46.5	15	16.4	22	0.1	5	15.4	19.9	-1.10	2.6	4.18
2000B-282	1	1	3	91.7	18	26.4	8	0.1	5	10.2	17.2	-0.90	1.8	4.19
2000B-283	1	1	2	189.1	3	32.4	8	0.1	5	16.6	4.4	-1.98	4.7	4.88
2000B-284	1	1	2	144.9	3	19.5	8	0.1	5	13.9	4.5	-1.92	2.5	4.39
2000B-285	1	1	1	113.6	9	30.6	8	0.1	5	14.9	4.6	-1.80	2.6	4.40
2000B-286	1	1	2	53.6	17	8.3	18	0.1	5	16.1	21.0	-0.48	1.7	4.10
2000B-287	1	1	2	87.6	22	19.8	27	0.1	5	13.5	16.4	-0.95	1.7	4.22
2000B-288	1	1	5	55.1	11	10.2	17	0.1	5	16.6	33.2	-0.71	1.2	3.94
2000B-289	1	1	2	592.2	10	77.3	8	0.1	5	19.3	0.8	-1.99	17.2	6.55
2000B-290	1	1	1	575.6	14	75.0	8	0.1	5	14.2	1.0	-2.00	14.6	6.80
2000B-291	1	1	1	631.1	3	40.6	8	0.1	10	11.1	1.0	-2.00	16.8	6.83
2000B-292	1	1	1	583.7	10	35.9	8	0.1	5	5.8	1.8	-1.99	9.9	6.69
2000B-293	1	1	1	592.9	12	29.8	8	0.1	5	6.5	0.3	-2.00	13.4	6.80
2000B-294	1	1	1	595.2	3	30.1	8	0.1	5	5.5	0.5	-2.00	13.0	6.78
2000B-295	1	1	3	153.5	11	41.0	8	0.1	5	10.6	6.4	-1.84	2.8	4.70
2000B-296	1	1	1	567.9	21	38.4	8	0.1	5	9.1	0.9	-1.99	13.2	6.56
2000B-297	1	1	1	622.7	3	31.2	8	0.1	5	4.9	1.4	-2.00	14.5	6.82
2000B-298	1	1	2	634.9	21	32.2	8	0.1	5	5.4	1.3	-2.00	15.4	6.87
2000B-299	1	1	2	311.0	3	44.3	8	0.1	5	8.3	1.9	-1.99	4.3	5.89
2000B-300	1	1	2	115.5	43	37.0	8	0.1	5	24.0	3.6	-1.74	2.4	4.35
2000B-301	1	1	5	267.3	5	55.0	8	0.1	5	10.3	4.5	-1.99	5.0	5.56
2000B-302	1	1	11	177.5	32	49.6	8	0.1	5	16.1	18.4	-1.80	3.6	4.44
2000B-303	1	1										-2.00	14.9	6.68
2000B-304	1	1	1	516.4	20	24.5	8	0.1	5	7.1	1.3	-2.00	14.2	6.69
2000B-305	1	1	1	241.2	3	38.6	8	0.1	5	6.4	1.4	-1.99	4.4	5.39
2000B-306	1	1	1	447.1	28	36.6	8	0.1	5	10.0	0.8	-1.99	9.6	6.41
2000B-307	1	1	1	355.4	12	31.4	8	0.1	5	2.3	0.9	-1.99	6.4	6.05
2000B-308	1	1	2	149.6	3	22.6	8	0.1	5	6.8	2.3	-1.99	3.6	4.16
2000B-309	1	1	1	453.5	11	56.9	8	0.1	5	4.8	0.4	-1.99	6.8	6.13
2000B-310-1 Field Duplicate	1	1	2	193.9	9	36.3	8	0.1	5	12.8	2.6	-1.99	4.7	4.35
2000B-310-2 Field Duplicate	1	1	1	217.0	17	36.8	8	0.1	5	8.5	2.0	-1.99	4.8	5.05
2000B-311	1	1	1	242.8	3	43.5	8	0.1	5	8.0	2.6	-1.99	3.1	4.65
2000B-312	1	1	4	479.8	3	26.3	8	0.1	5	7.9	1.4	-2.00	16.1	6.63
2000B-313	1	1	2	446.0	5	34.8	8	0.1	5	8.0	1.5	-2.00	14.0	6.55
2000B-315	1	1	1	489.1	15	37.4	8	0.1	5	11.1	1.0	-2.00	20.2	6.75

Sample Site	Os	Pt	Fe	Ca	Na	Mg	K	Cr	S	Si	Al	H^+	K	pH
	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	mhos cm^{-1}	
2000B-316	1	1	1	472.6	22	36.1	8	0.1	5	12.3	1.4	-2.00	18.4	6.63
2000B-317	1	1	1	471.2	3	21.1	8	0.1	5	5.7	1.4	-2.00	12.3	6.45
2000B-319	1	1	2	335.4	29	35.7	8	0.1	5	15.6	1.8	-1.99	8.6	5.87
2000B-320	1	1	1	420.2	3	37.4	16	0.1	5	12.1	0.8	-2.00	12.0	6.49
2000B-321	1	1	2	87.1	35	22.5	8	0.1	5	14.7	5.8	-1.33	3.2	4.07
2000B-324	1	1	1	418.6	6	44.6	8	0.1	5	22.7	1.6	-1.99	15.9	6.32
2000B-325	1	1	1	323.8	13	36.9	8	0.1	5	11.7	1.1	-1.99	3.7	5.82
2000B-326	1	1	1	339.8	16	50.7	8	0.1	5	18.3	0.8	-1.99	8.0	5.65
2000B-327	1	1	2	57.7	3	8.4	29	0.1	5	9.8	11.5	-1.36	1.7	3.73
2000B-328	1	1	6	26.7	10	12.8	22	0.1	5	8.9	29.5	3.38	1.7	3.86
2000B-329-1 Field Duplicate	1	1	3	422.0	3	28.0	8	0.1	5	3.3	0.8	-1.99	3.6	5.65
2000B-329-2 Field Duplicate	1	1	2	482.2	6	23.4	8	0.1	5	4.4	1.5	-1.99	3.7	6.15
2000B-330	1	1	1	663.8	7	39.2	8	0.1	5	11.5	1.3	-2.00	16.6	6.55
2000B-331	1	1	1	632.5	22	34.0	8	0.1	5	8.3	1.3	-2.00	13.7	6.54
2000B-332	1	1	2	102.3	3	8.4	23	0.1	5	11.8	11.6	-1.63	1.6	3.83
2000B-333	1	1	1	619.4	16	38.8	8	0.1	5	6.0	1.1	-2.00	11.4	6.70
2000B-334	1	1	1	586.0	29	52.7	8	0.1	5	14.3	0.7	-2.00	14.5	6.63
2000B-335	1	1	1	567.1	3	28.5	8	0.1	5	7.2	1.3	-2.00	13.5	6.50
2000B-336	1	1	1	555.1	3	34.1	8	0.1	5	10.4	0.8	-2.00	16.2	6.69
2000B-337	1	1	1	605.4	3	41.0	8	0.1	5	10.0	0.9	-2.00	15.6	6.55
2000B-338	1	1	1	424.9	21	88.0	8	0.1	5	27.1	1.8	-1.99	10.3	6.06
2000B-339	1	1	1	615.5	3	107.4	8	0.1	5	7.8	0.9	-2.00	19.3	6.57
2000B-340	1	1	1	77.9	12	11.7	33	0.1	5	24.6	13.0	-1.49	2.9	3.92
2000B-341	1	1	4	602.6	9	25.5	8	0.1	5	5.8	1.4	-2.00	11.0	6.39
2000B-342	1	1	1	149.3	3	19.4	8	0.1	5	21.9	2.8	-1.99	4.9	4.20
2000B-343	1	1	1	127.7	24	22.6	8	0.1	5	21.0	5.7	-1.90	3.3	3.97
2000B-344	1	1	1	355.5	29	50.6	8	0.1	5	11.1	0.8	-1.99	4.3	4.42
2000B-345-1 Field Duplicate	1	1	2	659.7	14	28.6	8	0.1	5	5.2	0.9	-2.00	12.7	6.56
2000B-345-2 Field Duplicate	1	1	1	672.9	11	35.1	8	0.1	10	5.3	1.2	-2.00	11.5	6.38
2000B-346	1	1	6	106.7	3	22.2	8	0.1	5	15.4	23.3	0.05	1.6	3.86
2000B-347	1	1	1	613.4	15	30.5	20	0.1	5	8.8	0.8	-2.00	12.2	6.53
2000B-348	1	1	1	586.7	35	75.6	8	0.1	5	25.7	0.8	-1.99	12.4	6.33
2000B-349	1	1	1	610.4	12	47.2	8	0.1	5	8.1	0.7	-2.00	13.9	6.62
2000B-350	1	1	1	470.8	18	35.5	16	0.1	5	8.9	0.7	-2.00	15.6	5.96
2000B-351	1	1	1	434.9	7	26.8	8	0.1	5	4.8	1.6	-2.00	11.3	6.24
2000B-352	1	1	4	418.4	3	50.7	8	0.1	5	4.7	0.8	-2.00	12.4	6.18
2000B-353	1	1	2	73.7	6	16.2	18	0.1	5	9.2	5.1	-1.87	2.0	3.81
2000B-354	1	1	1	358.5	3	20.9	8	0.1	5	4.5	2.0	-2.00	4.7	5.44
2000B-355	1	1	1	419.7	23	26.3	18	0.1	5	2.3	1.2	-2.00	8.2	6.15
2000B-356	1	1	1	449.2	10	30.3	8	0.1	5	10.6	0.8	-2.00	15.1	6.39
2000B-357	1	1	1	392.4	3	43.3	8	0.1	5	14.0	0.9	-1.99	11.3	5.94
2000B-358	1	1	2	425.6	8	45.0	19	0.1	5	15.7	2.4	-2.00	17.3	6.30
2000B-359	1	1	1	79.5	3	18.4	21	0.1	5	12.8	7.2	-1.58	2.8	3.89
2000B-360	1	1	3	105.9	3	22.0	8	0.1	5	25.4	4.3	-1.91	5.2	3.97
2000B-361	1	1	1	258.6	19	42.7	8	0.1	5	13.7	1.4	-1.99	6.1	4.24
2000B-362	1	1	1	291.5	12	54.0	8	0.1	5	14.6	1.3	-1.99	6.3	4.58
2000B-363	1	1	1	422.5	12	67.5	8	0.1	5	23.7	1.4	-1.99	11.2	5.82
2000B-364	1	1	1	652.4	7	43.6	8	0.1	5	7.6	0.6	-2.00	13.2	6.52
2000B-365	1	1	4	641.3	6	35.2	20	0.1	5	9.1	1.2	-2.00	14.7	6.47

Sample Site	Os	Pt	Fe	Ca	Na	Mg	K	Cr	S	Si	Al	H+	K	pH
	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	mhos cm^{-1}	
2000B-366	1	1	2	647 9	10	47 7	8	0 1	5	8 1	0 8	-2 00	14 9	6 50
2000B-367	1	1	1	534 9	3	36 8	8	0 1	5	6 2	1 5	-1 99	8 6	5 86
2000B-368	1	1	1	548 8	30	58 7	8	0 1	5	23 4	0 9	-1 99	13 5	6 31

Appendix B-2

Duplicate Pair ICP-MS (Enzyme Leach), ICP-AES, H^+ and *K* Analyses.

Sample Site	UTM		S.Q. Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	S.Q. Hg	Th	U	Co	Ni
	Easting	Northing	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2000B-16-1 Field Duplicate	389243.59	6093479.00	23300	108	46	71	5	3	1	0.1	1	2	0.01	0.03	1	2.2	0.4	9	9
2000B-16-2 Field Duplicate	389243.59	6093479.00	20900	76	44	36	3	3	1	0.1	1	3	0.01	0.03	1	2.9	0.8	4	6
2000B-35-1 Field Duplicate	386267.97	6101746.50	21700	94	27	125	9	3	3	0.1	1	2	0.01	0.03	1	2.7	0.3	4	5
2000B-35-2 Field Duplicate	386267.97	6101746.50	27000	101	36	69	4	3	1	0.1	1	2	0.01	0.03	1	3.0	0.2	3	9
2000B-53-1 Field Duplicate	399544.66	6095816.50	24500	81	42	79	8	3	9	0.1	1	2	0.01	0.03	1	2.5	1.5	3	7
2000B-53-2 Field Duplicate	399544.66	6095816.50	17800	109	47	134	7	3	5	0.1	1	2	0.01	0.03	1	4.4	1.0	4	7
2000B-69-1 Field Duplicate	398290.31	6099503.50	4750	141	33	234	9	3	1	0.1	1	1	0.01	0.03	1	7.6	1.4	13	21
2000B-69-2 Field Duplicate	398290.31	6099503.50	1000	86	30	223	8	3	1	0.1	1	1	0.01	0.03	1	5.8	1.0	14	18
2000B-76-1 Field Duplicate	405489.13	6108952.50	16700	53	13	137	7	3	216	0.1	1	3	0.01	0.03	1	2.7	1.7	4	6
2000B-76-2 Field Duplicate	405489.13	6108952.50	12400	60	4	129	8	3	61	0.1	1	3	0.01	0.03	1	2.7	1.2	5	6
2000B-102-1 Field Duplicate	392650.41	6096653.00	7000	80	24	50	5	3	2	0.1	1	3	0.01	0.03	1	3.8	0.4	4	10
2000B-102-2 Field Duplicate	392650.41	6096653.00	7830	91	32	45	5	3	1	0.1	1	3	0.01	0.03	1	4.2	0.4	3	7
2000B-130-1 Field Duplicate	392870.50	6104868.50	1000	42	10	340	16	3	42	0.2	1	4	0.01	0.03	1	2.1	0.5	3	15
2000B-130-2 Field Duplicate	392870.50	6104868.50	3470	37	14	335	15	3	37	0.1	1	4	0.01	0.03	1	1.8	0.5	4	12
2000B-137-1 Field Duplicate	398893.06	6102443.50	14500	76	8	276	12	3	6	0.1	1	3	0.01	0.03	1	3.0	1.0	6	17
2000B-137-2 Field Duplicate	398893.06	6102443.50	12100	67	1	184	10	3	7	0.2	1	2	0.01	0.03	1	2.2	0.7	7	13
2000B-149-1 Field Duplicate	402139.66	6105434.00	5840	37	9	62	1	3	1	0.1	1	1	0.01	0.03	1	1.1	0.6	5	2
2000B-149-2 Field Duplicate	402139.66	6105434.00	4150	38	6	74	1	3	2	0.1	1	1	0.01	0.03	1	0.7	0.4	7	2
2000B-171-1 Field Duplicate	400308.25	6102973.00	1000	52	13	54	12	3	20	0.1	1	3	0.01	0.03	1	1.6	0.3	2	6
2000B-171-2 Field Duplicate	400308.25	6102973.00	3420	60	11	56	10	3	13	0.1	1	3	0.01	0.03	1	1.9	0.3	2	10
2000B-179-1 Field Duplicate	382763.03	6098971.50	5170	73	1	71	8	3	1	0.1	1	3	0.01	0.03	1	1.4	0.3	5	11
2000B-179-2 Field Duplicate	382763.03	6098971.50	7220	174	11	86	8	3	1	0.1	1	3	0.01	0.03	1	1.8	0.4	2	8
2000B-218-1 Field Duplicate	389764.00	6111144.00	7880	62	15	30	6	3	2	0.1	1	3	0.01	0.03	1	2.6	0.4	3	6
2000B-218-1 Field Duplicate	389764.00	6111144.00	12700	85	15	39	7	3	4	0.1	1	3	0.01	0.03	1	2.2	0.3	4	8
2000B-231-1 Field Duplicate	382258.53	6113338.50	14100	178	16	99	8	3	1	0.1	1	2	0.01	0.03	1	2.3	0.5	4	5
2000B-231-2 Field Duplicate	382258.53	6113338.50	6150	107	12	73	7	3	1	0.4	1	2	0.01	0.03	1	1.7	0.5	3	5
2000B-250-1 Field Duplicate	392449.16	6112208.50	4460	105	12	95	4	3	1	0.1	1	1	0.01	0.03	1	9.3	0.7	4	2
2000B-250-2 Field Duplicate	392449.16	6112208.50	1000	91	7	113	3	3	1	0.1	1	2	0.01	0.03	1	6.5	0.9	8	6

Sample Site	UTM		S.Q. Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	S.Q. Hg	Th	U	Co	Ni
	Easting	Northing	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2000B-265-1 Field Duplicate	379871.44	6116760.00	5100	58	21	19	3	3	1	0.1	1	2	0.01	0.03	1	14.7	1.2	12	4
2000B-265-2 Field Duplicate	379871.44	6116760.00	1000	52	11	18	6	3	1	0.1	1	1	0.01	0.03	1	14.4	1.1	9	11
2000B-281-1 Field Duplicate	375405.56	6111977.50	5320	59	20	15	3	3	1	0.1	1	1	0.01	0.03	1	3.4	0.6	9	4
2000B-281-2 Field Duplicate	375405.56	6111977.50	2200	86	1	6	1	3	1	0.1	1	1	0.01	0.03	1	1.1	0.4	13	6
2000B-310-1 Field Duplicate	386862.44	6121457.50	7350	591	52	103	7	3	5	0.4	1	2	0.01	0.03	1	10.6	0.7	9	9
2000B-310-2 Field Duplicate	386862.44	6121457.50	2430	406	38	67	7	3	3	0.3	1	2	0.01	0.03	1	5.4	0.5	7	9
2000B-329-1 Field Duplicate	399739.69	6116073.00	5870	43	3	31	4	3	1	0.1	1	2	0.01	0.03	1	3.6	0.4	2	2
2000B-329-2 Field Duplicate	399739.69	6116073.00	6370	68	7	30	5	3	1	0.1	1	2	0.01	0.03	1	3.6	0.3	3	4
2000B-345-1 Field Duplicate	373345.66	6119686.50	6870	66	26	26	5	3	1	0.1	1	2	0.01	0.03	1	4.4	0.4	2	4
2000B-345-2 Field Duplicate	373345.66	6119686.50	6390	84	6	32	5	3	1	0.1	1	2	0.01	0.03	1	3.2	0.3	2	4

Sample Site	Cu	Zn	Pb	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi	S.Q. Tl	S.Q. Cr	Y	Zr	Nb	Hf	Ta	La	Ce	Pr
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2000B-16-1 Field Duplicate	28	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	182	10	11.2	11	0.5	0.3	0.1	20.3	24.1	5.5
2000B-16-2 Field Duplicate	18	5	1	3	0.3	0.1	0.4	0.1	0.4	0.1	0.4	50	10	13.6	13	0.5	0.3	0.1	22.2	28.9	5.2
2000B-35-1 Field Duplicate	21	11	1	1	0.3	0.1	0.6	0.1	0.4	0.1	0.4	162	10	15.2	11	1.2	0.4	0.1	21.8	43.7	6.0
2000B-35-2 Field Duplicate	14	5	1	2	0.3	0.1	0.1	0.1	0.4	0.1	0.4	111	10	16.3	14	0.5	0.4	0.1	24.0	36.7	6.6
2000B-53-1 Field Duplicate	31	5	3	1	0.3	0.1	0.1	0.1	0.4	0.1	1.6	50	10	13.9	22	0.5	0.6	0.2	20.3	20.0	6.1
2000B-53-2 Field Duplicate	34	5	2	1	0.3	0.1	0.2	0.1	0.4	0.1	1.3	125	10	12.3	19	0.5	0.5	0.2	18.5	27.2	5.1
2000B-69-1 Field Duplicate	46	5	2	3	0.5	0.1	0.3	0.1	0.4	0.1	0.4	231	10	50.0	73	1.5	1.6	0.2	71.7	88.8	21.7
2000B-69-2 Field Duplicate	41	5	2	3	0.3	0.1	0.6	0.1	0.4	0.1	0.4	210	10	42.8	45	1.3	0.9	0.1	62.7	69.0	17.0
2000B-76-1 Field Duplicate	26	5	1	1	0.3	0.1	0.4	0.1	0.4	0.1	0.4	110	10	5.8	13	1.0	0.3	0.2	9.4	15.2	2.5
2000B-76-2 Field Duplicate	35	17	1	1	0.3	0.1	0.4	0.1	0.4	0.1	0.4	50	10	6.2	13	0.5	0.3	0.2	10.7	12.5	2.5
2000B-102-1 Field Duplicate	43	26	4	2	0.3	0.1	0.1	0.1	0.4	0.1	1.0	135	10	11.5	16	0.5	0.4	0.2	16.0	31.0	4.2
2000B-102-2 Field Duplicate	23	5	3	1	0.3	0.1	0.1	0.1	0.4	0.1	1.0	160	10	20.8	18	0.5	0.5	0.1	38.9	58.1	10.0
2000B-130-1 Field Duplicate	71	20	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	105	10	4.3	10	0.5	0.2	0.1	8.3	12.6	1.8
2000B-130-2 Field Duplicate	82	5	1	2	0.3	0.2	0.1	0.1	0.4	0.1	0.4	100	10	4.0	126	0.5	2.7	0.1	7.8	12.4	1.8
2000B-137-1 Field Duplicate	66	5	2	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	140	10	15.2	26	1.1	0.5	0.2	23.5	26.2	5.6
2000B-137-2 Field Duplicate	41	5	1	1	0.3	0.1	0.5	0.1	0.4	0.1	1.2	115	10	11.5	23	0.5	0.6	0.2	18.8	18.7	4.3
2000B-149-1 Field Duplicate	6	18	2	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	4.7	3	0.5	0.1	0.1	11.3	17.6	2.5
2000B-149-2 Field Duplicate	4	5	2	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	3.2	2	0.5	0.1	0.1	6.8	11.8	1.7
2000B-171-1 Field Duplicate	53	5	2	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	120	10	2.5	9	0.5	0.2	0.1	4.6	9.2	1.0
2000B-171-2 Field Duplicate	41	5	1	1	0.3	0.1	0.5	0.1	0.4	0.2	0.4	151	10	2.6	10	0.5	0.2	0.1	4.3	8.4	1.0
2000B-179-1 Field Duplicate	26	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	111	10	3.3	25	0.5	0.5	0.1	5.8	8.4	1.5
2000B-179-2 Field Duplicate	22	5	2	1	0.3	0.1	0.3	0.1	0.4	0.1	0.4	50	10	6.3	15	0.5	0.4	0.1	9.4	9.2	2.4
2000B-218-1 Field Duplicate	17	15	3	1	0.3	0.1	0.3	0.1	0.4	0.2	1.0	50	10	8.6	12	0.5	0.4	0.2	11.7	19.9	2.8
2000B-218-1 Field Duplicate	25	5	2	1	0.3	0.1	0.1	0.1	0.4	0.1	0.8	106	10	6.1	12	0.5	0.3	0.1	8.2	14.2	2.3
2000B-231-1 Field Duplicate	25	51	1	1	0.3	0.1	0.1	0.1	0.4	0.2	0.4	50	10	8.3	10	0.5	0.3	0.1	12.0	24.2	3.5
2000B-231-2 Field Duplicate	20	5	1	1	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	5.3	8	0.5	0.2	0.1	8.8	14.4	2.1
2000B-250-1 Field Duplicate	6	13	1	1	0.3	0.1	0.1	0.1	0.4	0.3	0.4	50	10	24.3	26	0.5	0.8	0.1	42.4	97.5	11.8
2000B-250-2 Field Duplicate	5	32	1	1	0.3	0.1	0.3	0.1	0.4	0.3	0.4	136	10	20.3	19	0.5	0.5	0.1	40.8	61.4	9.4

Sample Site	Cu	Zn	Pb	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi	S.Q. Ti	S.Q. Cr	Y	Zr	Nb	Hf	Ta	La	Ce	Pr
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2000B-265-1 Field Duplicate	7	5	2	1	0.3	0.1	0.6	0.1	0.4	0.2	0.4	176	10	28.4	47	0.5	1.6	0.1	44.1	134.0	12.9
2000B-265-2 Field Duplicate	8	5	5	1	0.3	0.1	0.6	0.1	0.4	0.3	0.4	561	10	14.4	46	2.0	1.7	0.2	24.7	85.4	7.3
2000B-281-1 Field Duplicate	5	18	2	1	0.3	0.1	0.5	0.1	0.4	0.3	0.4	163	10	13.1	15	0.5	0.5	0.1	23.0	42.6	5.9
2000B-281-2 Field Duplicate	2	14	2	1	0.3	0.1	2.7	0.1	0.4	0.3	0.4	50	10	4.6	4	0.5	0.2	0.1	8.2	17.0	1.7
2000B-310-1 Field Duplicate	19	11	2	2	0.3	0.1	0.3	0.1	0.4	0.1	1.9	114	10	38.5	33	0.5	1.0	0.1	58.1	109.0	14.8
2000B-310-2 Field Duplicate	17	52	1	1	0.3	0.1	0.3	0.1	0.4	0.1	1.7	101	10	24.7	20	0.5	0.6	0.1	43.3	77.6	9.9
2000B-329-1 Field Duplicate	10	5	2	2	0.3	0.1	0.2	0.1	0.4	0.1	0.4	50	10	8.6	10	0.5	0.3	0.1	14.0	22.4	3.3
2000B-329-2 Field Duplicate	12	10	1	1	0.3	0.1	0.4	0.1	0.4	0.1	0.4	50	10	8.9	11	0.5	0.3	0.1	12.2	17.4	2.9
2000B-345-1 Field Duplicate	22	5	1	1	0.3	0.1	0.2	0.1	0.4	0.1	0.4	50	10	7.8	18	0.5	0.4	0.1	10.1	11.7	2.5
2000B-345-2 Field Duplicate	19	5	1	2	0.3	0.1	0.1	0.1	0.4	0.1	0.4	50	10	6.6	15	0.5	0.3	0.1	8.6	8.7	2.3

Sample Site	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	S.Q. Li	Be	S.Q. Sc	Mn	Rb	Sr	Cs	Ba	Ru	Pd
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2000B-16-1 Field Duplicate	21.1	3.5	0.7	2.9	0.4	1.8	0.4	1.1	0.2	0.8	0.1	6	1	50	389	9	289	0.3	98	1	1
2000B-16-2 Field Duplicate	20.3	3.5	0.8	3.0	0.4	2.2	0.4	1.1	0.2	1.0	0.1	1	1	50	377	9	370	0.1	161	1	1
2000B-35-1 Field Duplicate	21.3	4.1	0.9	3.7	0.5	2.4	0.5	1.5	0.2	1.1	0.2	1	1	50	1950	9	277	0.1	107	1	1
2000B-35-2 Field Duplicate	25.3	4.6	0.8	3.8	0.5	2.7	0.5	1.4	0.2	1.1	0.1	1	1	50	534	6	319	0.1	99	1	1
2000B-53-1 Field Duplicate	22.5	4.2	1.0	3.6	0.7	2.4	0.5	1.4	0.2	1.1	0.2	5	1	50	222	34	343	0.1	127	1	1
2000B-53-2 Field Duplicate	19.6	3.7	0.9	2.7	0.5	2.2	0.5	1.2	0.2	1.1	0.2	15	1	50	665	24	396	0.4	158	1	1
2000B-69-1 Field Duplicate	91.8	17.0	3.0	11.9	1.8	9.4	1.8	5.3	0.7	5.1	0.8	21	1	50	780	22	189	0.1	129	1	1
2000B-69-2 Field Duplicate	69.8	13.3	2.4	9.3	1.5	7.1	1.3	3.7	0.5	3.3	0.5	15	1	50	768	16	192	0.3	137	1	1
2000B-76-1 Field Duplicate	9.3	1.9	0.3	1.5	0.2	1.1	0.2	0.6	0.1	0.5	0.1	33	1	50	625	16	503	0.3	346	1	1
2000B-76-2 Field Duplicate	10.1	2.0	0.3	1.3	0.2	1.0	0.2	0.6	0.1	0.5	0.1	20	1	50	629	18	510	0.2	362	1	1
2000B-102-1 Field Duplicate	16.8	3.0	0.7	2.6	0.5	1.8	0.3	1.1	0.2	0.8	0.2	9	1	50	318	16	380	0.2	142	1	1
2000B-102-2 Field Duplicate	35.2	6.2	1.3	5.6	0.8	3.3	0.7	2.0	0.3	1.6	0.2	3	1	50	195	12	285	0.3	84	1	1
2000B-130-1 Field Duplicate	6.6	1.3	0.3	1.0	0.1	0.7	0.2	0.5	0.1	0.3	0.1	41	1	50	622	18	542	0.3	204	1	1
2000B-130-2 Field Duplicate	6.5	1.1	0.3	0.9	0.1	0.6	0.1	0.4	0.1	0.3	0.1	45	1	50	724	18	561	0.3	197	1	1
2000B-137-1 Field Duplicate	22.1	4.2	0.9	3.4	0.5	2.5	0.6	1.5	0.2	1.1	0.2	10	1	50	734	14	744	0.1	186	1	1
2000B-137-2 Field Duplicate	17.0	3.6	0.7	2.4	0.3	1.9	0.4	1.1	0.1	0.9	0.1	6	1	50	580	11	657	0.1	170	1	1
2000B-149-1 Field Duplicate	8.2	1.4	0.3	1.3	0.2	0.8	0.2	0.5	0.1	0.3	0.1	1	1	50	3190	55	160	0.1	136	1	1
2000B-149-2 Field Duplicate	6.0	1.0	0.2	1.0	0.2	0.6	0.1	0.3	0.1	0.2	0.1	1	1	50	2440	42	222	0.1	223	1	1
2000B-171-1 Field Duplicate	3.5	0.6	0.1	0.5	0.1	0.4	0.1	0.2	0.1	0.2	0.1	15	1	50	295	18	558	0.3	165	1	1
2000B-171-2 Field Duplicate	4.2	0.8	0.2	0.6	0.1	0.4	0.1	0.3	0.1	0.2	0.1	12	1	50	378	20	589	0.4	181	1	1
2000B-179-1 Field Duplicate	5.8	1.1	0.2	1.0	0.1	0.6	0.1	0.3	0.1	0.3	0.1	5	1	50	936	13	430	0.1	141	1	1
2000B-179-2 Field Duplicate	9.3	1.8	0.4	1.5	0.2	1.0	0.2	0.6	0.1	0.5	0.1	5	1	50	400	13	483	0.2	144	1	1
2000B-218-1 Field Duplicate	10.8	2.4	0.5	1.8	0.4	1.4	0.3	0.7	0.1	0.7	0.2	4	1	50	1160	16	370	0.1	112	1	1
2000B-218-1 Field Duplicate	8.9	1.6	0.4	1.4	0.3	1.1	0.2	0.5	0.1	0.5	0.1	8	1	50	551	12	378	0.2	146	1	1
2000B-231-1 Field Duplicate	13.6	2.5	0.5	2.3	0.4	1.4	0.3	0.7	0.1	0.7	0.1	5	1	50	1230	48	488	0.2	137	1	1
2000B-231-2 Field Duplicate	8.4	1.6	0.3	1.2	0.2	1.0	0.2	0.5	0.1	0.5	0.1	3	1	50	730	22	403	0.1	135	1	1
2000B-250-1 Field Duplicate	42.3	7.8	1.7	7.2	1.0	4.5	0.8	2.5	0.3	2.1	0.3	1	1	50	2550	36	176	0.1	124	1	1
2000B-250-2 Field Duplicate	40.2	7.0	1.3	5.3	0.8	3.8	0.7	1.9	0.3	1.7	0.2	1	1	50	1100	26	180	0.1	117	1	1

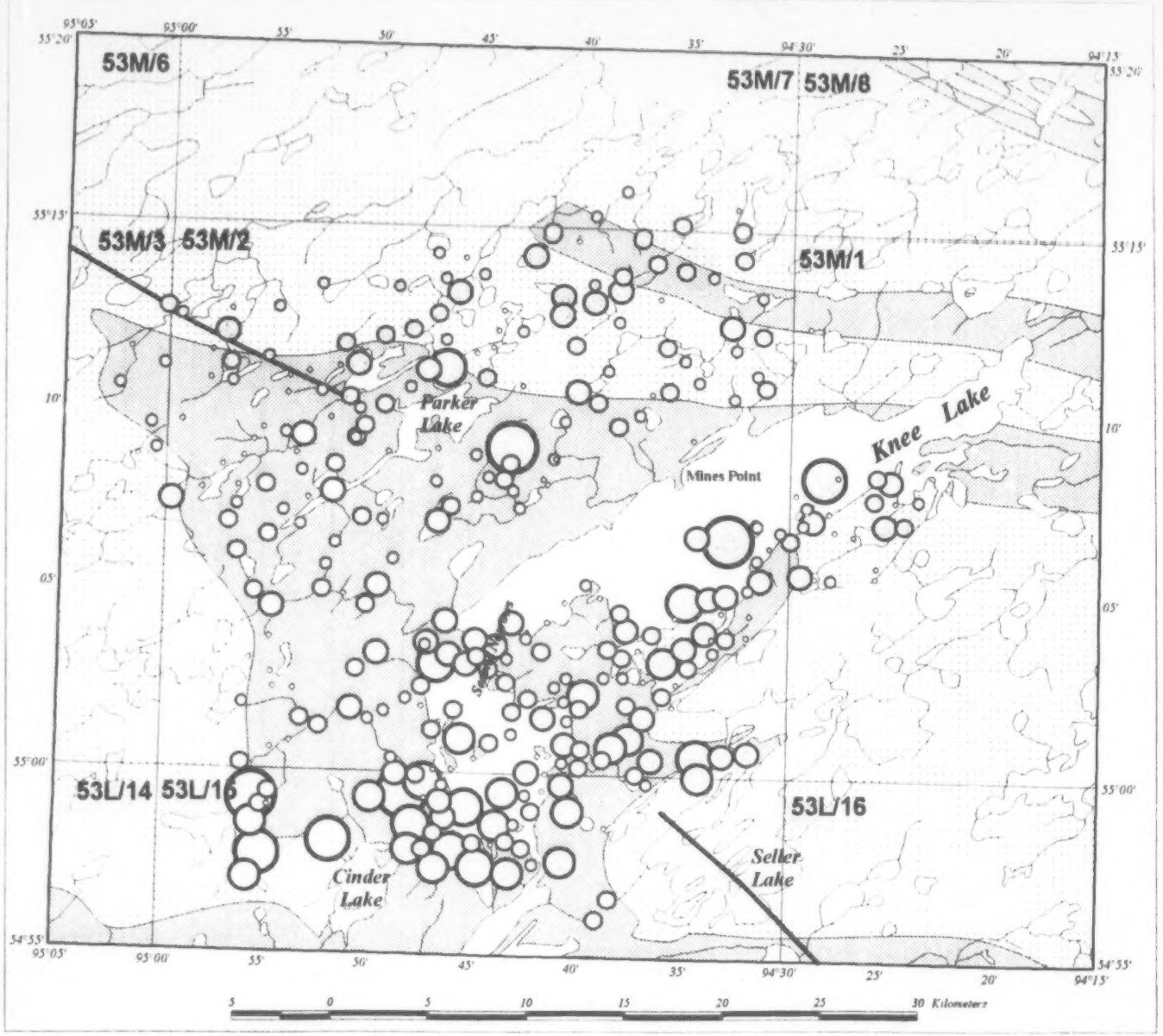
Sample Site	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	S.Q. Li	Be	S.Q. Sc	Mn	Rb	Sr	Cs	Ba	Ru	Pd
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2000B-265-1 Field Duplicate	55.6	11.6	2.1	8.0	1.3	6.9	1.2	3.4	0.5	3.2	0.5	1	3	50	1860	18	228	0.1	359	1	1
2000B-265-2 Field Duplicate	25.3	5.5	1.3	4.6	0.7	3.6	0.7	2.0	0.3	1.6	0.2	14	1	50	290	39	187	0.7	385	1	1
2000B-281-1 Field Duplicate	21.8	4.1	0.9	3.4	0.5	2.5	0.5	1.5	0.2	1.1	0.2	4	1	50	878	34	501	0.2	654	1	1
2000B-281-2 Field Duplicate	6.9	1.3	0.4	1.2	0.2	0.9	0.2	0.4	0.1	0.4	0.1	22	4	50	2240	90	398	0.4	1270	1	1
2000B-310-1 Field Duplicate	61.0	11.5	2.1	8.8	1.3	6.8	1.3	3.4	0.5	3.2	0.5	1	1	50	1750	17	189	0.1	143	1	1
2000B-310-2 Field Duplicate	39.0	7.8	1.4	6.1	0.8	4.4	0.9	2.3	0.3	1.8	0.3	3	1	50	1320	17	182	0.1	111	1	1
2000B-329-1 Field Duplicate	12.8	2.3	0.5	2.1	0.3	1.5	0.3	0.8	0.1	0.7	0.1	2	1	50	273	38	303	0.1	117	1	1
2000B-329-2 Field Duplicate	12.8	2.2	0.4	1.8	0.3	1.6	0.3	0.8	0.1	0.8	0.1	2	1	50	364	17	378	0.1	113	1	1
2000B-345-1 Field Duplicate	10.6	1.9	0.5	1.8	0.3	1.3	0.3	0.9	0.1	0.8	0.1	3	1	50	385	12	401	0.1	146	1	1
2000B-345-2 Field Duplicate	9.9	1.8	0.4	1.5	0.2	1.2	0.2	0.6	0.1	0.7	0.1	4	1	50	373	11	448	0.1	178	1	1

ICP-AES

Sample Site	Os	Pt	Fe	Ca	Na	Mg	K	Cr	S	Si	Al	H^+	*K*	pH
	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	mhos cm^{-1}	
2000B-16-1 Field Duplicate	1	1	2	174.4	9	38.2	8	0.1	5	14.8	2.4	-2.28	4.3	5.18
2000B-16-2 Field Duplicate	1	1	1	409.7	7	50.4	8	0.1	5	7.8	1.9	-2.29	10.4	6.28
2000B-35-1 Field Duplicate	1	1	2	322.3	3	53.3	27	0.1	5	7.1	2.0	-2.29	6.1	6.50
2000B-35-2 Field Duplicate	1	1	2	353.8	3	43.3	16	0.1	5	5.4	1.7	-2.29	5.8	5.79
2000B-53-1 Field Duplicate	1	1	1	344.9	3	47.3	16	0.1	5	10.3	0.7	-2.29	7.0	5.53
2000B-53-2 Field Duplicate	1	1	1	516.8	3	51.7	21	0.1	5	8.0	0.6	-2.29	16.8	6.44
2000B-69-1 Field Duplicate	1	1	3	123.6	3	26.4	25	0.1	5	31.7	3.4	-2.07	4.6	4.25
2000B-69-2 Field Duplicate	1	1	5	127.0	3	26.8	8	0.1	5	34.7	3.6	-2.11	5.3	4.28
2000B-76-1 Field Duplicate	1	1	1	601.1	3	46.1	15	0.1	11	14.4	1.0	-2.14	15.7	6.83
2000B-76-2 Field Duplicate	1	1	1	626.4	3	41.4	25	0.1	5	13.9	1.0	-2.14	16.8	6.83
2000B-102-1 Field Duplicate	1	1	2	509.2	3	26.4	26	0.1	5	5.4	1.8	-2.14	15.1	6.37
2000B-102-2 Field Duplicate	1	1	2	344.3	3	31.9	22	0.1	5	8.7	3.1	-2.14	7.0	4.79
2000B-130-1 Field Duplicate	1	1	1	578.8	3	54.1	34	0.1	5	31.0	1.4	-2.00	22.3	6.59
2000B-130-2 Field Duplicate	1	1	1	591.8	3	54.3	46	0.1	5	31.8	1.0	-2.00	23.6	6.61
2000B-137-1 Field Duplicate	1	1	1	591.5	3	86.9	23	0.1	5	30.4	1.6	-1.99	14.0	6.34
2000B-137-2 Field Duplicate	1	1	1	471.7	3	72.7	25	0.1	5	27.8	1.2	-1.99	10.0	5.67
2000B-149-1 Field Duplicate	1	1	4	110.0	3	26.5	21	0.1	5	13.1	3.1	-1.92	2.8	4.26
2000B-149-2 Field Duplicate	1	1	2	127.1	3	16.6	20	0.1	5	12.8	2.5	-1.95	3.4	4.18
2000B-171-1 Field Duplicate	1	1	2	471.7	3	27.3	36	0.1	5	11.4	1.9	-2.00	16.4	6.36
2000B-171-2 Field Duplicate	1	1	2	490.2	3	26.5	29	0.1	5	9.4	1.9	-2.00	15.9	6.37
2000B-179-1 Field Duplicate	1	1	1	657.7	3	45.5	26	0.1	5	9.7	0.8	-2.00	14.8	6.65
2000B-179-2 Field Duplicate	1	1	1	615.6	3	55.0	25	0.1	5	12.2	1.1	-1.99	12.2	6.15
2000B-218-1 Field Duplicate	1	1	2	551.0	21	34.1	8	0.1	5	4.7	1.8	-2.04	10.1	6.31
2000B-218-1 Field Duplicate	1	1	1	556.0	3	34.0	8	0.1	5	7.0	0.6	-2.04	14.8	6.37
2000B-231-1 Field Duplicate	1	1	1	510.8	15	66.2	8	0.1	5	10.6	1.1	-2.04	16.7	6.24
2000B-231-2 Field Duplicate	1	1	1	514.3	17	49.7	8	0.1	5	8.5	1.4	-2.04	16.1	4.48
2000B-250-1 Field Duplicate	1	1	1	189.7	8	32.2	8	0.1	5	8.7	3.3	-2.02	3.0	4.33
2000B-250-2 Field Duplicate	1	1	2	168.0	16	34.2	8	0.1	5	13.6	3.9	-2.02	3.0	4.39

Sample Site	Os	Pt	Fe	Ca	Na	Mg	K	Cr	S	Si	Al	H+	K	pH
	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	mhos cm^{-1}	
2000B-265-1 Field Duplicate	1	1	3	108.9	25	23.6	8	0.1	5	11.8	6.0	-1.50	2.9	4.39
2000B-265-2 Field Duplicate	1	1	8	84.6	21	20.5	8	0.1	5	20.0	15.2	-0.34	2.9	4.33
2000B-281-1 Field Duplicate	1	1	3	117.0	8	27.1	8	0.1	5	21.5	14.5	-1.61	2.6	4.30
2000B-281-2 Field Duplicate	1	1	2	46.5	15	16.4	22	0.1	5	15.4	19.9	-1.10	2.6	4.18
2000B-310-1 Field Duplicate	1	1	2	193.9	9	36.3	8	0.1	5	12.8	2.6	-1.99	4.7	4.35
2000B-310-2 Field Duplicate	1	1	1	217.0	17	36.8	8	0.1	5	8.5	2.0	-1.99	4.8	5.05
2000B-329-1 Field Duplicate	1	1	3	422.0	3	28.0	8	0.1	5	3.3	0.8	-1.99	3.6	5.65
2000B-329-2 Field Duplicate	1	1	2	482.2	6	23.4	8	0.1	5	4.4	1.5	-1.99	3.7	6.15
2000B-345-1 Field Duplicate	1	1	2	659.7	14	28.6	8	0.1	5	5.2	0.9	-2.00	12.7	6.56
2000B-345-2 Field Duplicate	1	1	1	672.9	11	35.1	8	0.1	10	5.3	1.2	-2.00	11.5	6.38

ICP-MS (Enzyme Leach), ICP-AES, H^+ and *K* Analyses Percentile Bubble Plots.



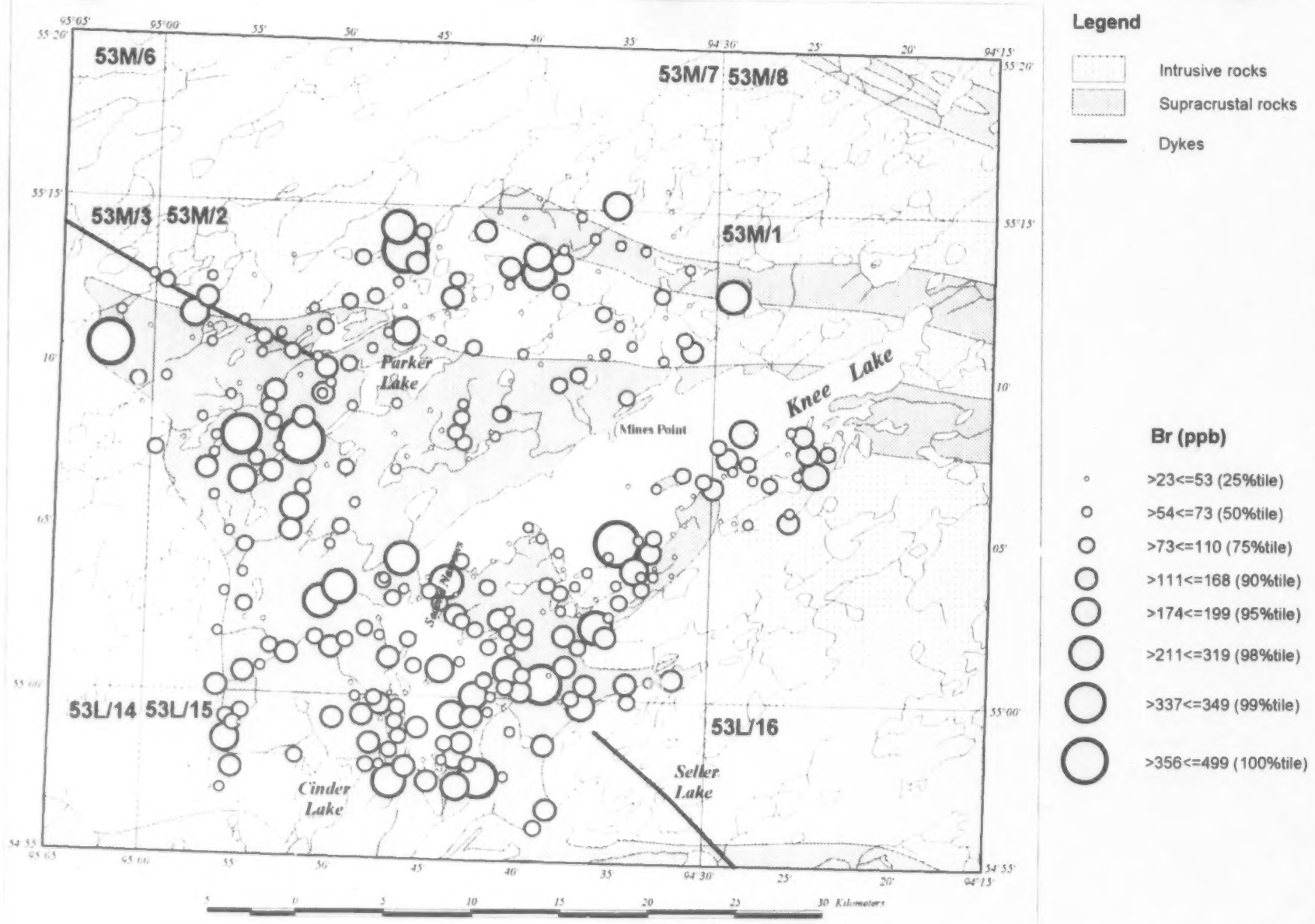
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

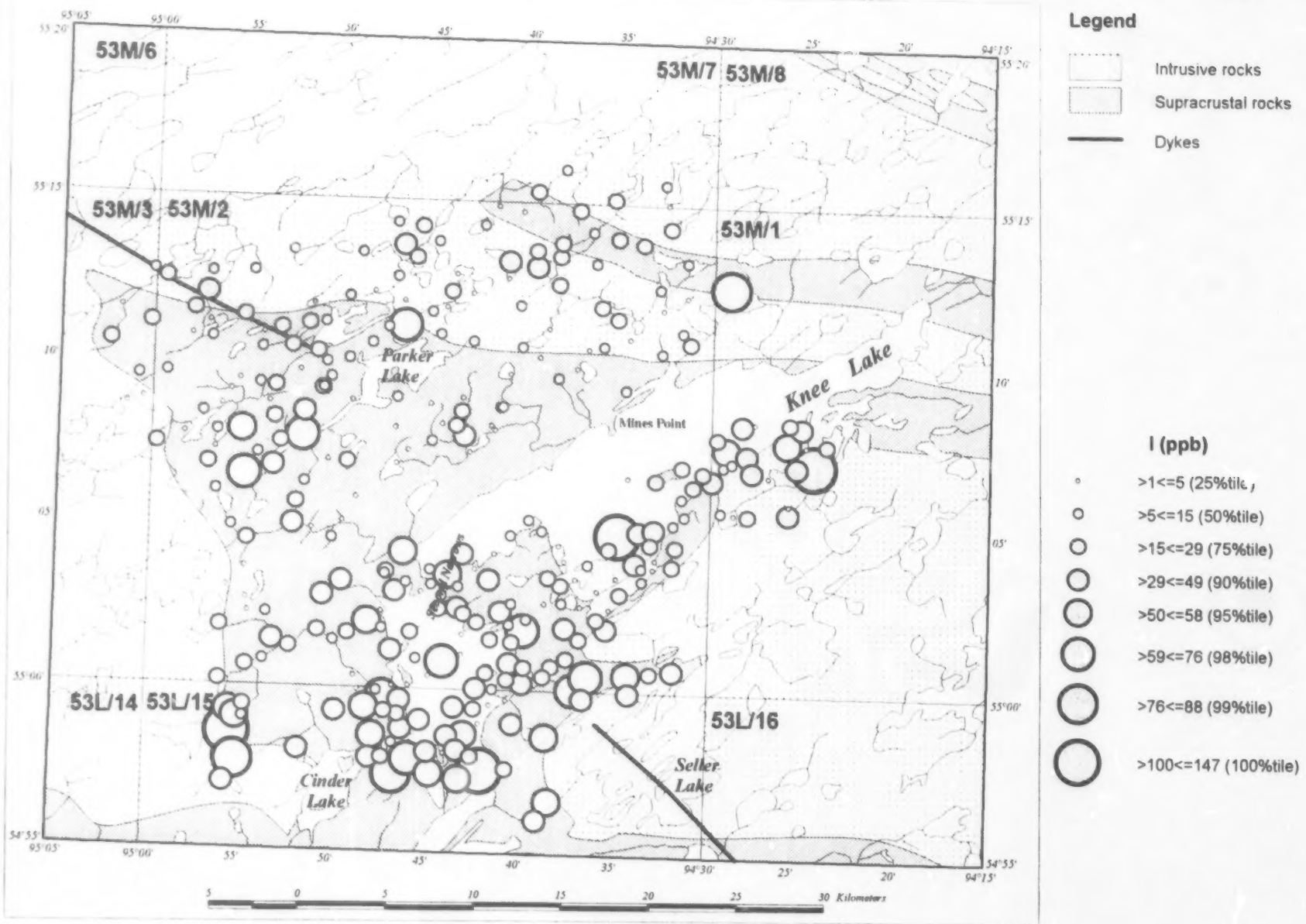
Cl (ppb)
(semi-quantitative)

- >1000<=3990 (25%tile)
- >4060<=8000 (50%tile)
- >8040<=12500 (75%tile)
- >12700<=17600 (90%tile)
- >17900<=23300 (95%tile)
- >23700<=28800 (98%tile)
- >28900<=30000 (99%tile)
- >30400<=40500 (100%tile)

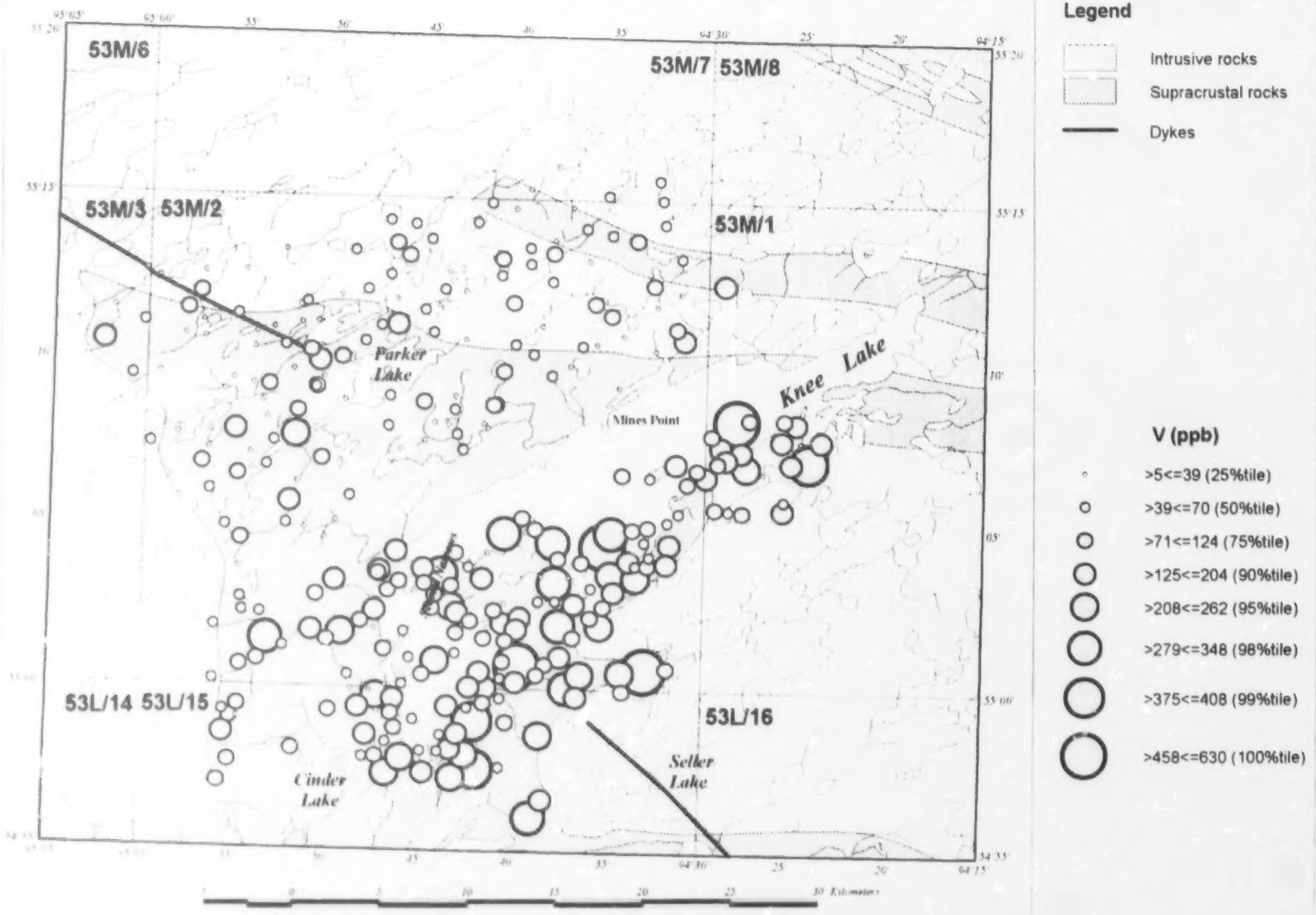
B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



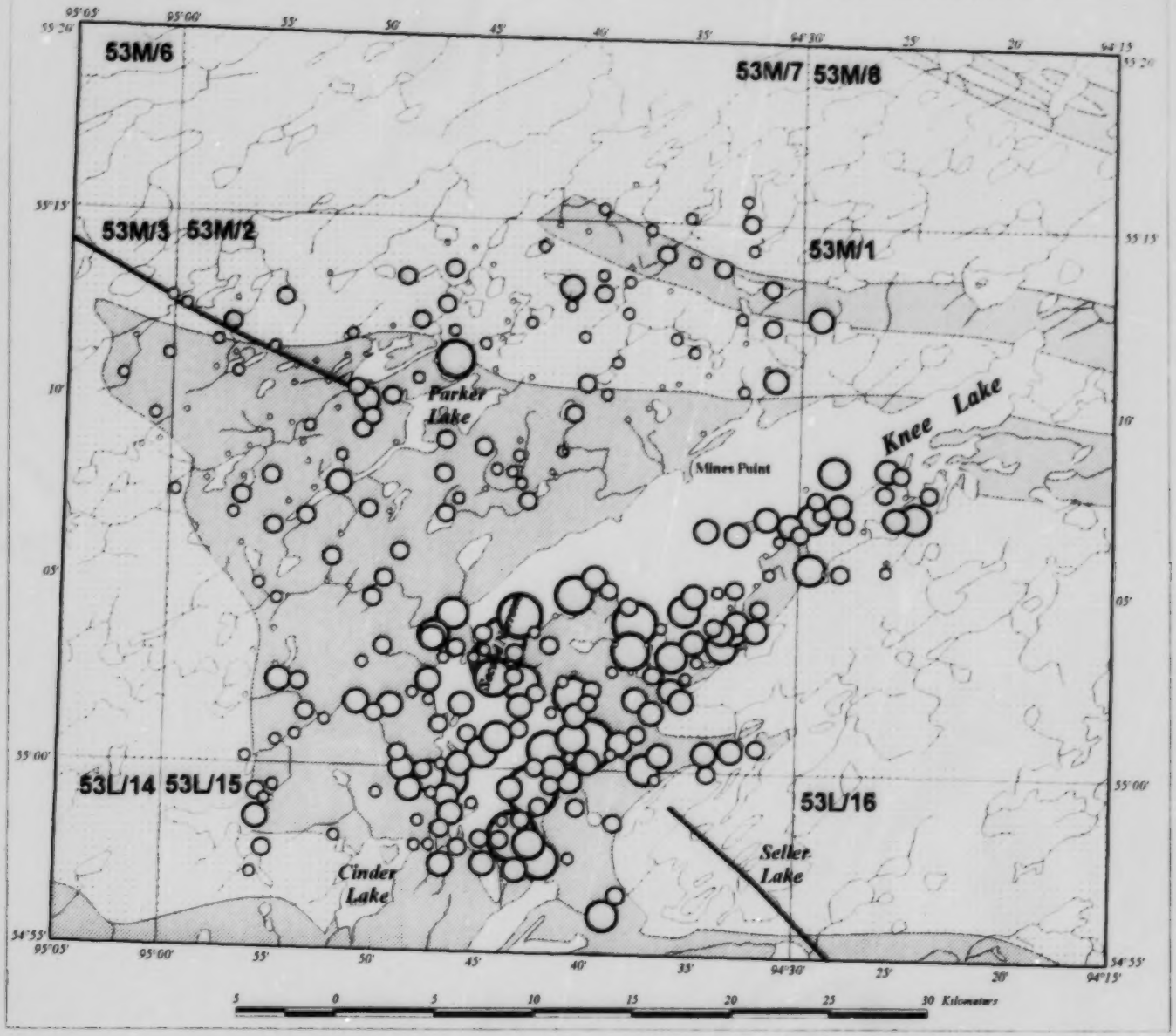
B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



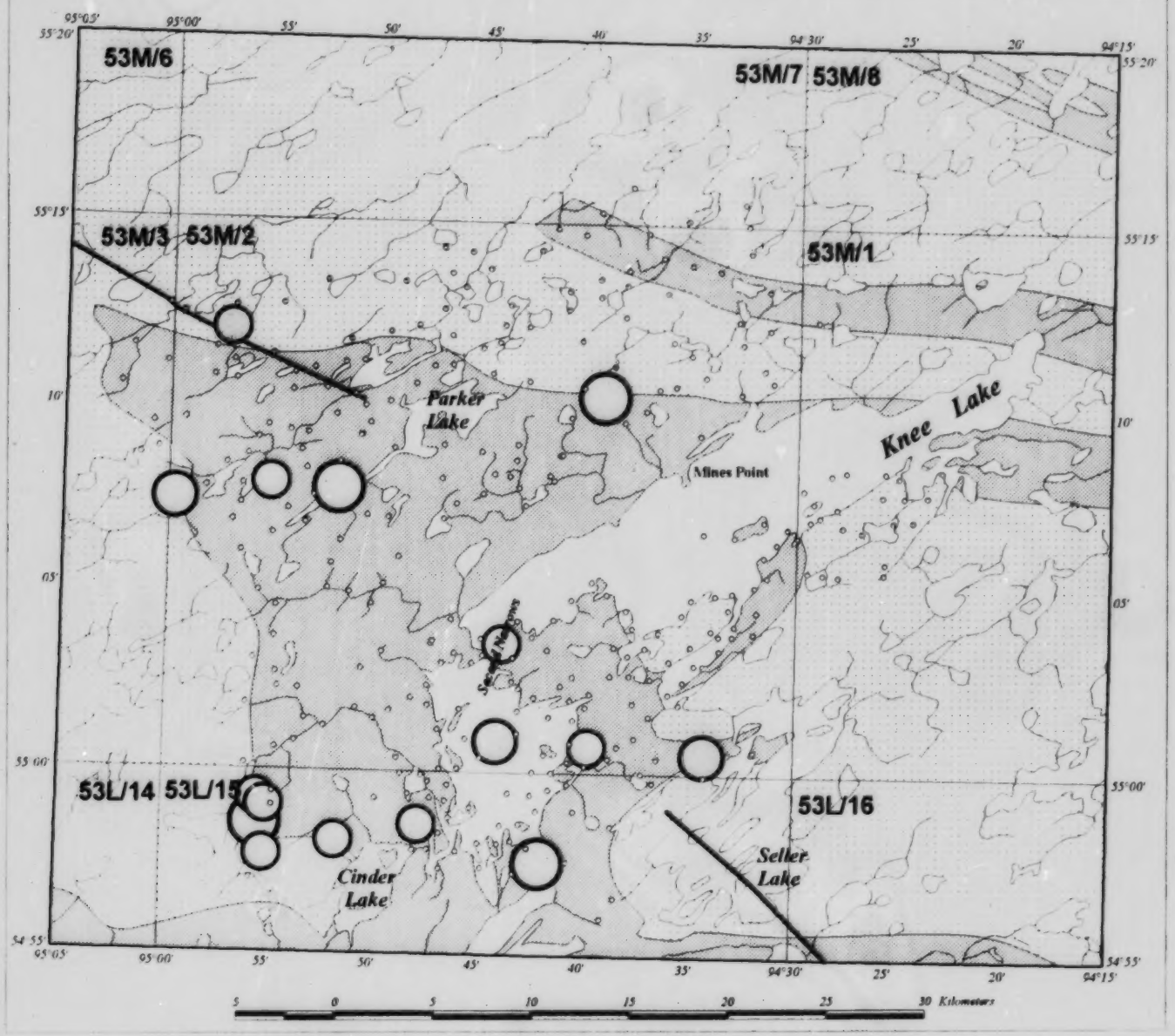
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

As (ppb)

- >1<=4 (25%tile)
- >4<=7 (50%tile)
- >7<=9 (75%tile)
- >9<=12 (90%tile)
- >12<=14 (95%tile)
- >15<=16 (98%tile)
- >16<=17 (99%tile)
- >17<=25 (100%tile)

B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



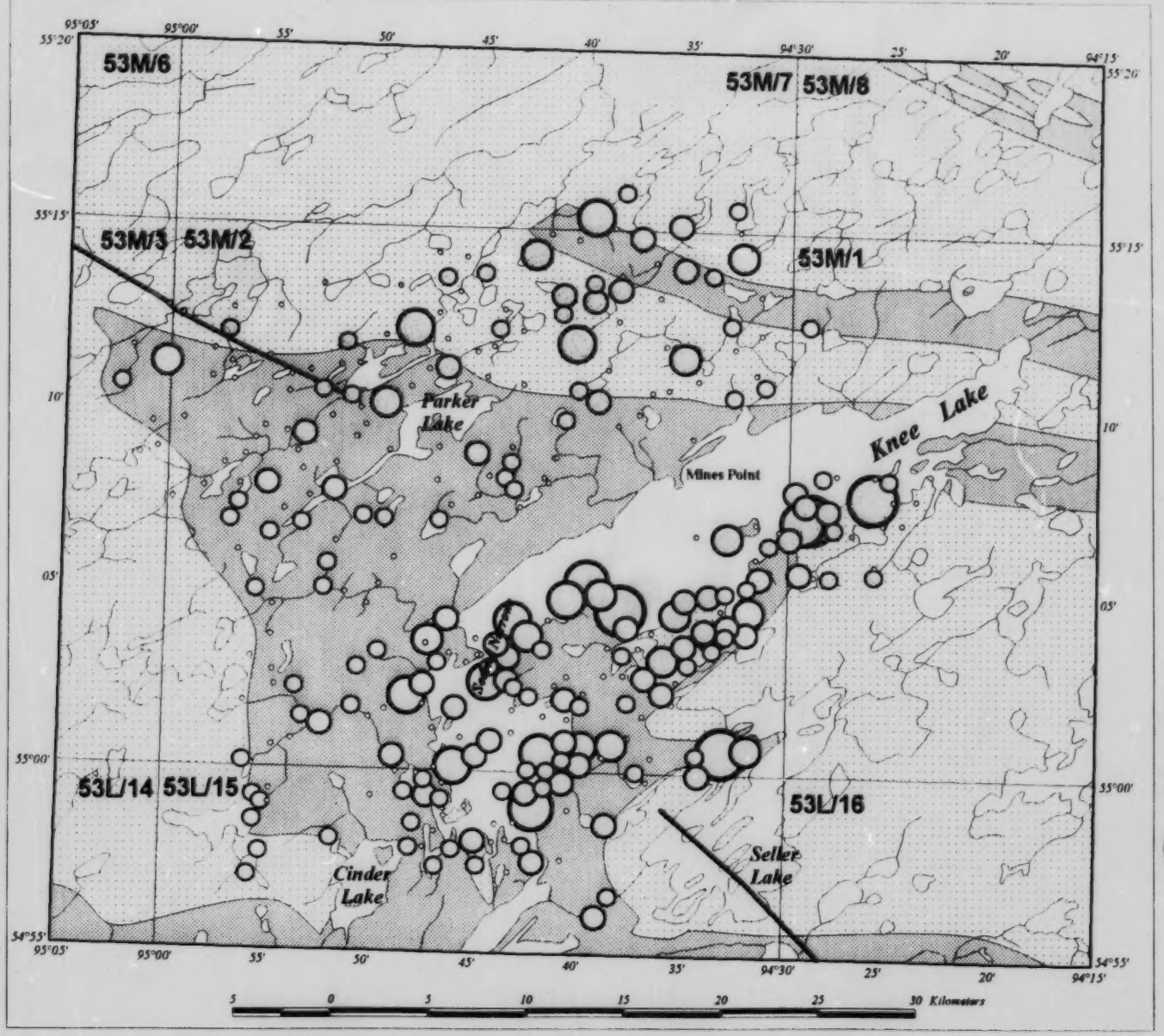
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Se (ppb)

- >2.5<=2.5 (95%tile)
- >2.5<=5.4 (98%tile)
- >5.6<=5.8 (99%tile)
- >5.9<=6.2 (100%tile)

B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



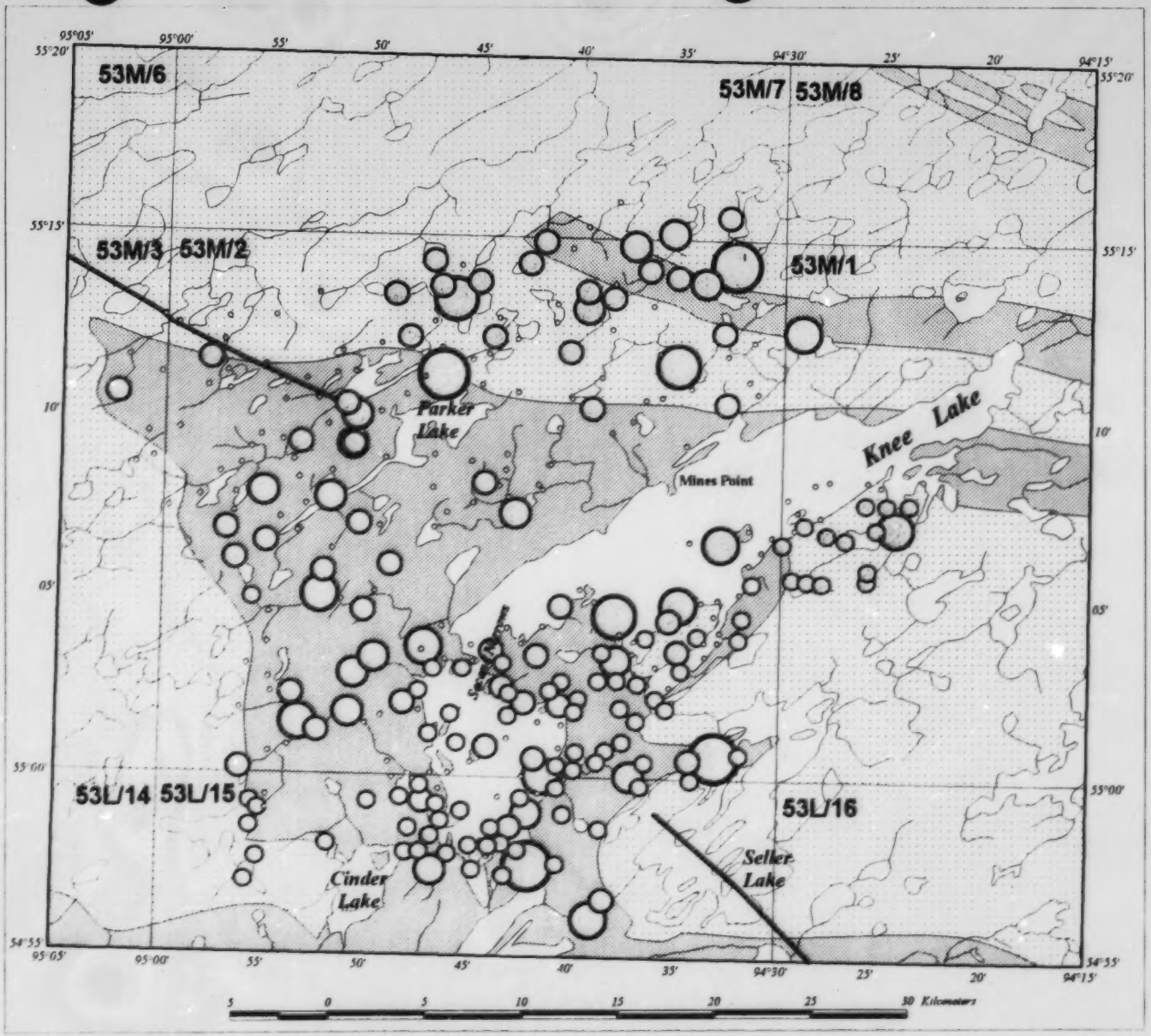
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Mo (ppb)

- >0.5<=0.5 (50%tile)
- >0.5<=4.0 (75%tile)
- >4.0<=13.2 (90%tile)
- >13.9<=29.7 (95%tile)
- >29.8<=48.2 (98%tile)
- >53.8<=75.6 (99%tile)
- >88.4<=138.4 (100%tile)

B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



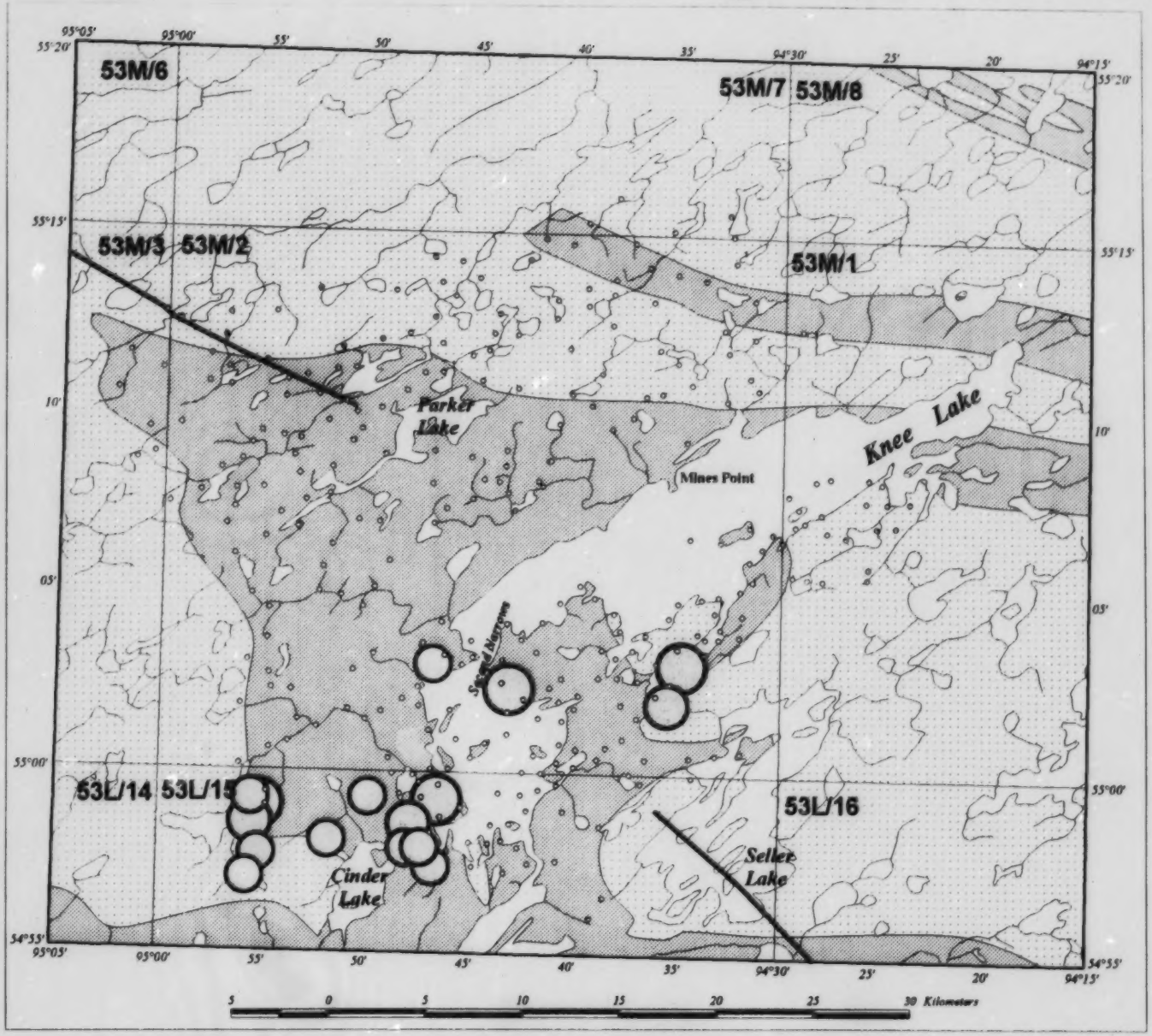
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Sb (ppb)

- >0.05<=0.05 (50%tile)
- >0.05<=0.10 (75%tile)
- >0.11<=0.37 (90%tile)
- >0.37<=0.52 (95%tile)
- >0.53<=0.72 (98%tile)
- >0.79<=0.82 (99%tile)
- >0.83<=1.77 (100%tile)

B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



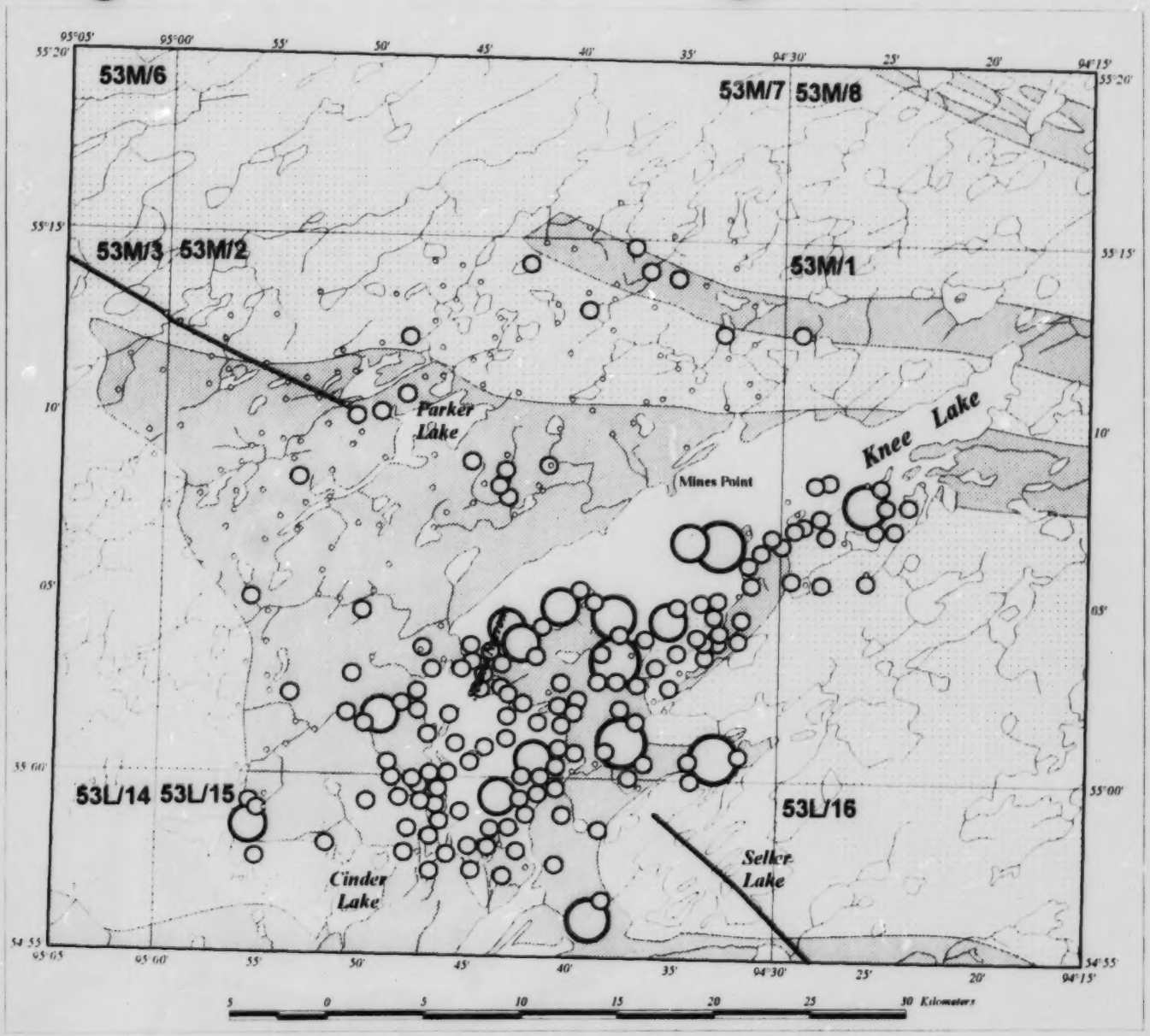
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Te (ppb)

- >0.5<=0.5 (95%tile)
- >0.5<=0.8 (98%tile)
- >0.9<=1.4 (99%tile)
- >1.5<=2.2 (100%tile)

B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



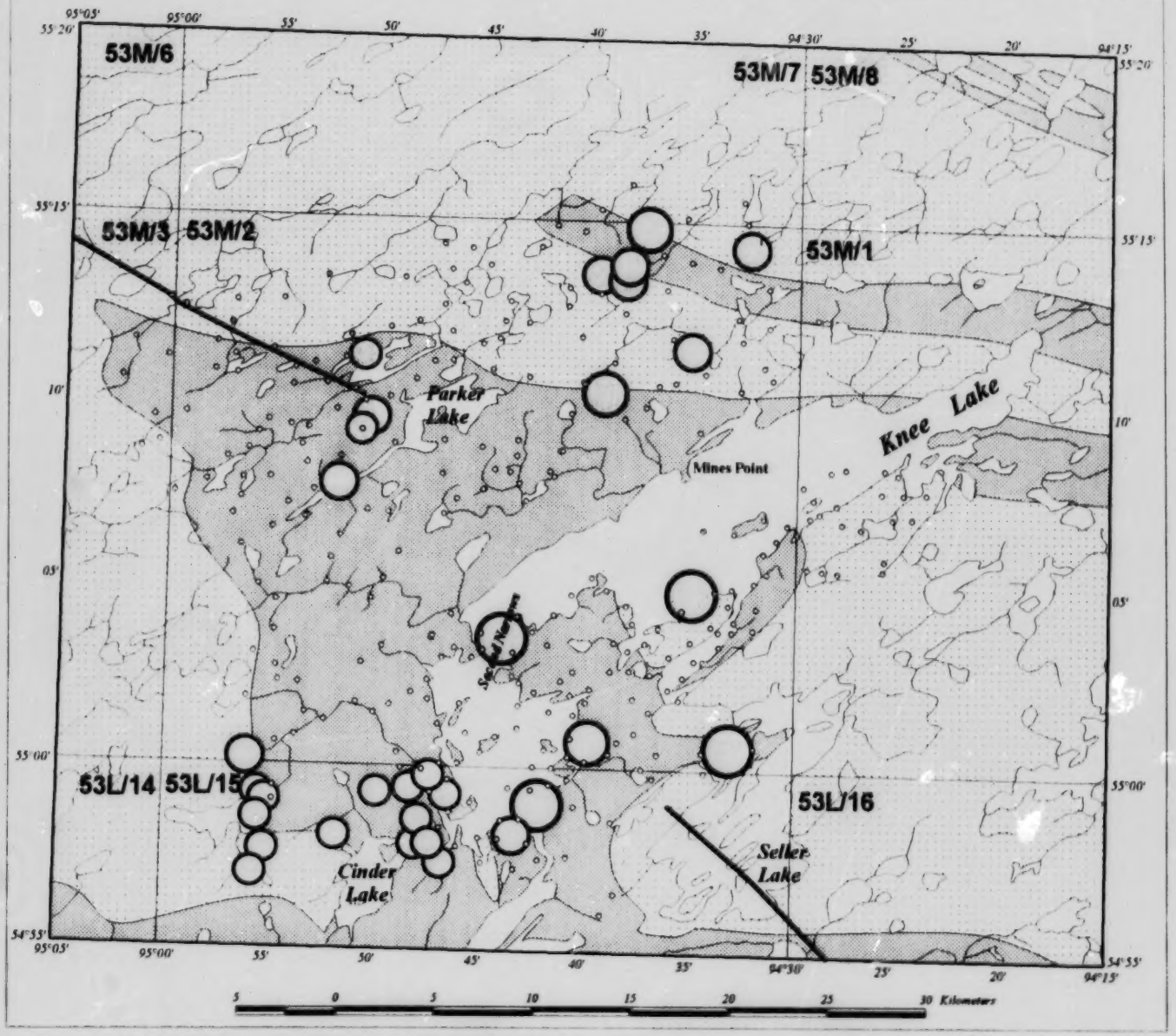
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

W (ppb)

- >1<=2 (25%tile)
- >2<=3 (75%tile)
- >3<=4 (98%tile)
- >4<=5 (99%tile)
- >5<=9 (100%tile)

B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



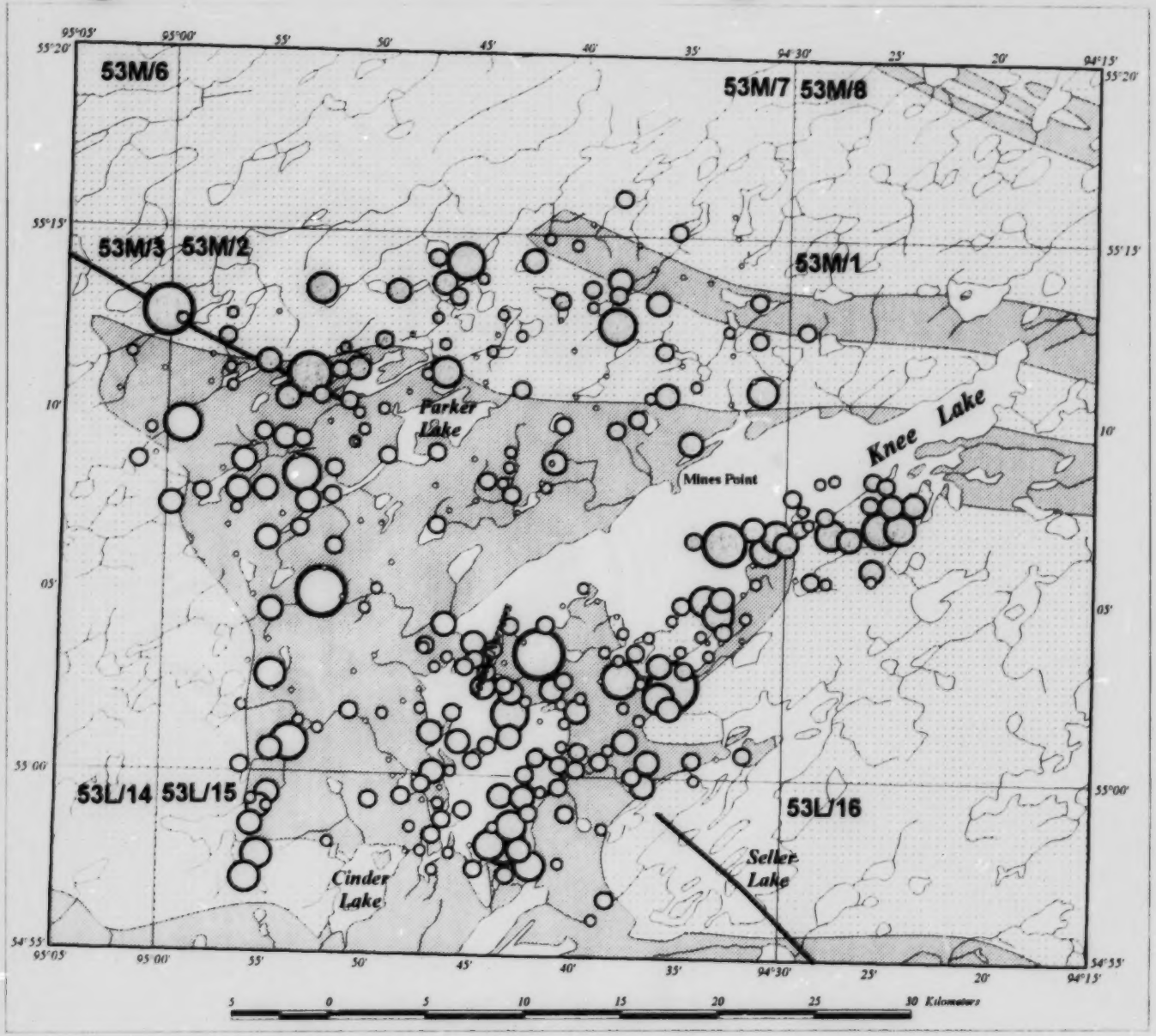
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Re (ppb)

- >0.005<=0.005 (90%tile)
- >0.005<=0.010 (95%tile)
- >0.011<=0.013 (98%tile)
- >0.017<=0.017 (99%tile)
- >0.018<=0.027 (100%tile)

B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



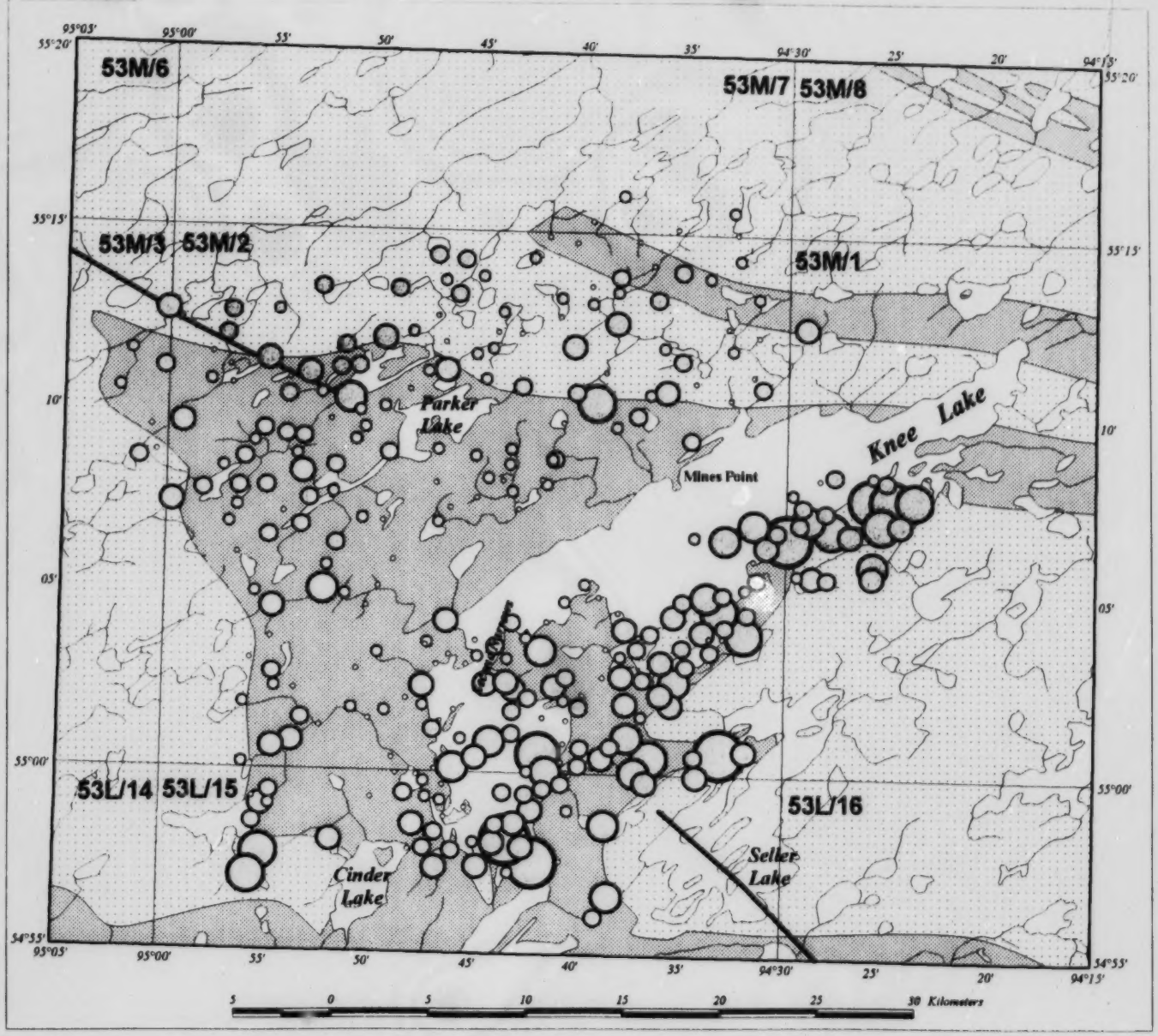
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Th (ppb)

- >0.3<=2.4 (25%tile)
- >2.4<=3.8 (50%tile)
- >3.8<=6.1 (75%tile)
- >6.1<=9.7 (90%tile)
- >10.1<=11.8 (95%tile)
- >11.9<=14.1 (98%tile)
- >14.6<=19.0 (99%tile)
- >20.3<=26.5 (100%tile)

B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



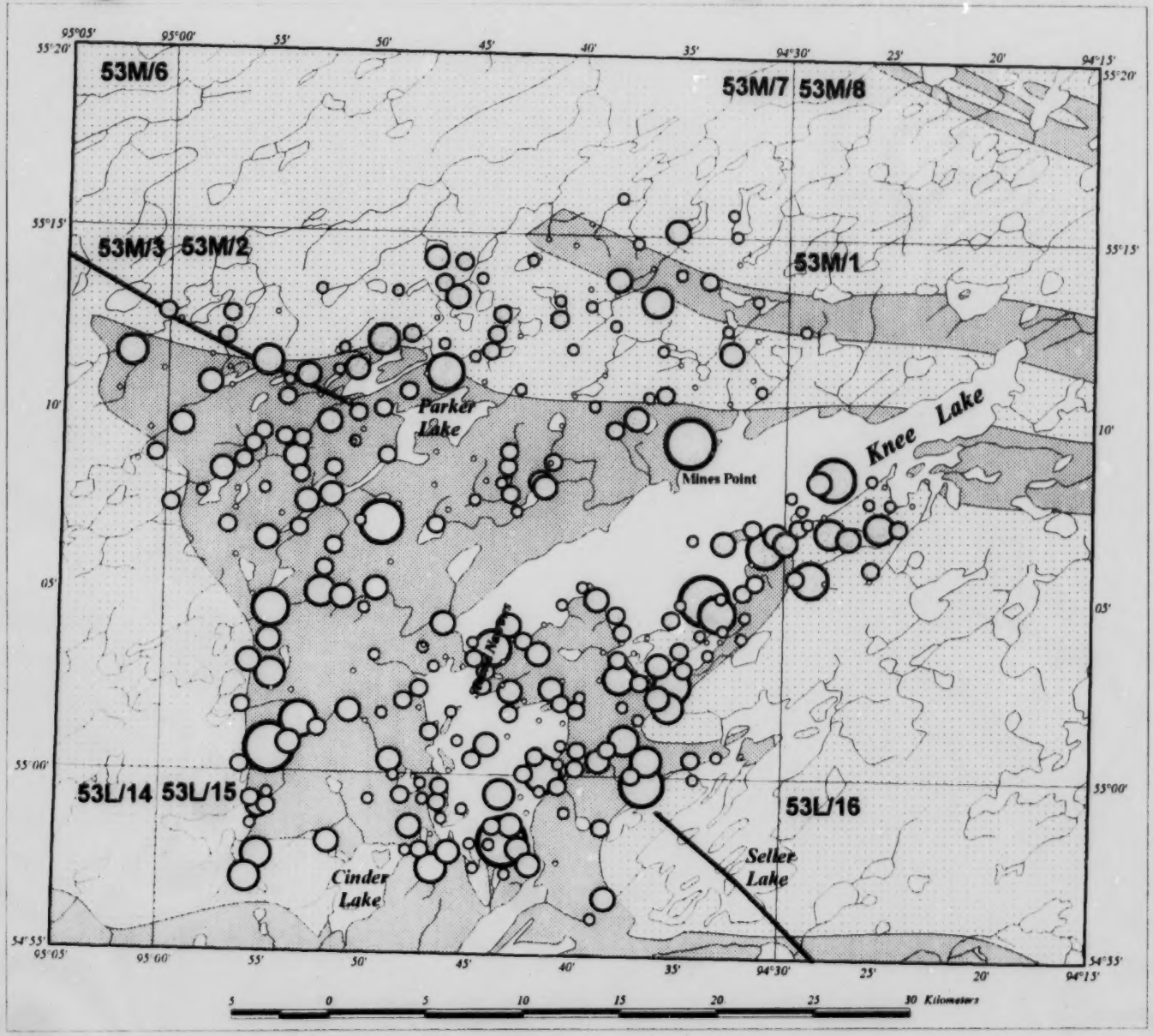
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

U (ppb)

- >0.2<=0.4 (25%tile)
- >0.5<=0.6 (50%tile)
- >0.6<=1.0 (75%tile)
- >1.0<=1.3 (90%tile)
- >1.3<=1.7 (95%tile)
- >1.7<=2.3 (98%tile)
- >2.3<=2.6 (99%tile)
- >2.8<=6.9 (100%tile)

B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



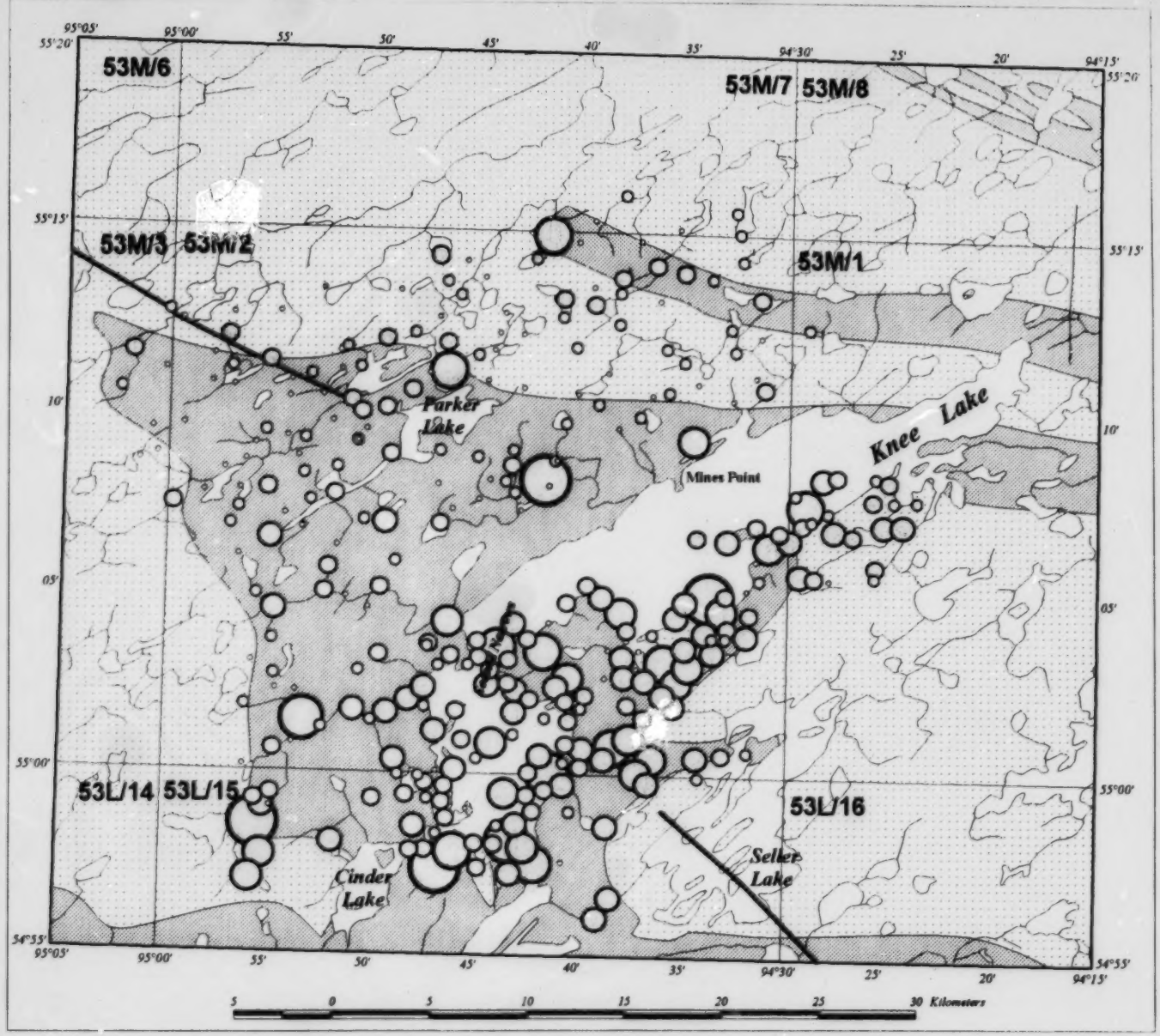
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Co (ppb)

- >1<=3 (25%tile)
- >3<=5 (50%tile)
- >5<=8 (75%tile)
- >8<=12 (90%tile)
- >12<=18 (95%tile)
- >18<=21 (98%tile)
- >21<=26 (99%tile)
- >27<=34 (100%tile)

B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



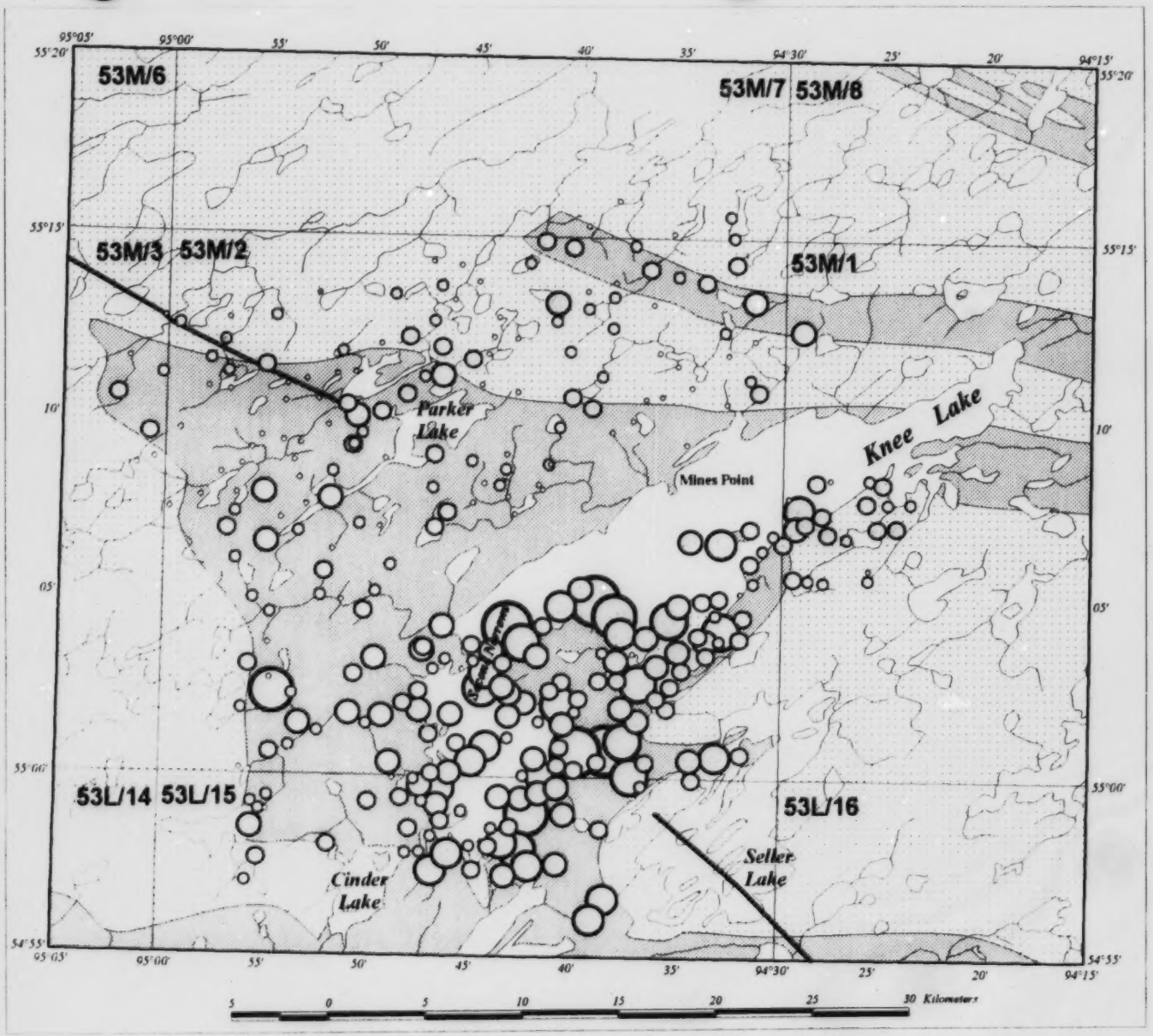
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

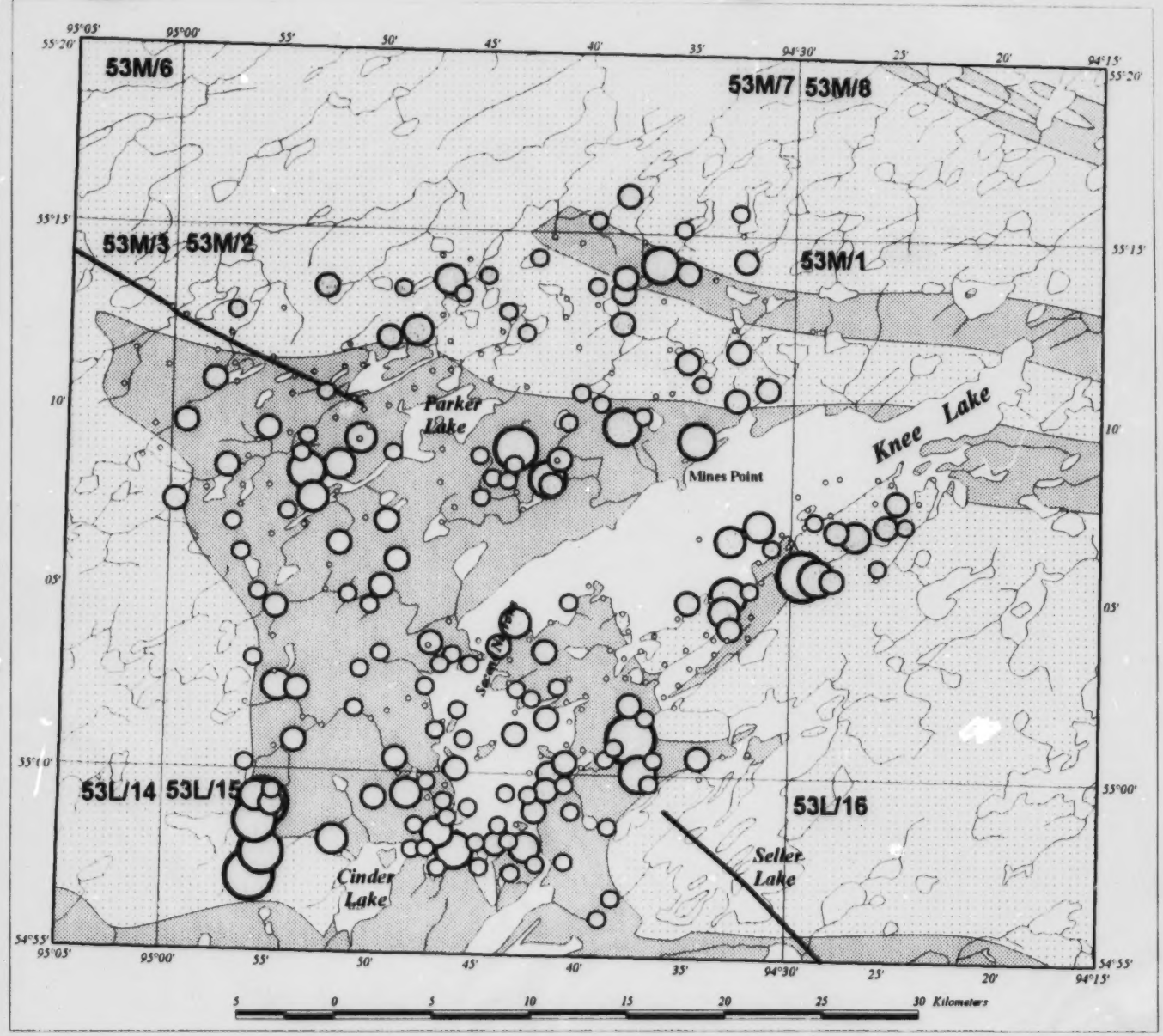
Ni (ppb)

- >2<=6 (25%tile)
- >6<=9 (50%tile)
- >9<=15 (75%tile)
- >15<=24 (90%tile)
- >24<=32 (95%tile)
- >33<=36 (98%tile)
- >37<=45 (99%tile)
- >48<=81 (100%tile)

B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



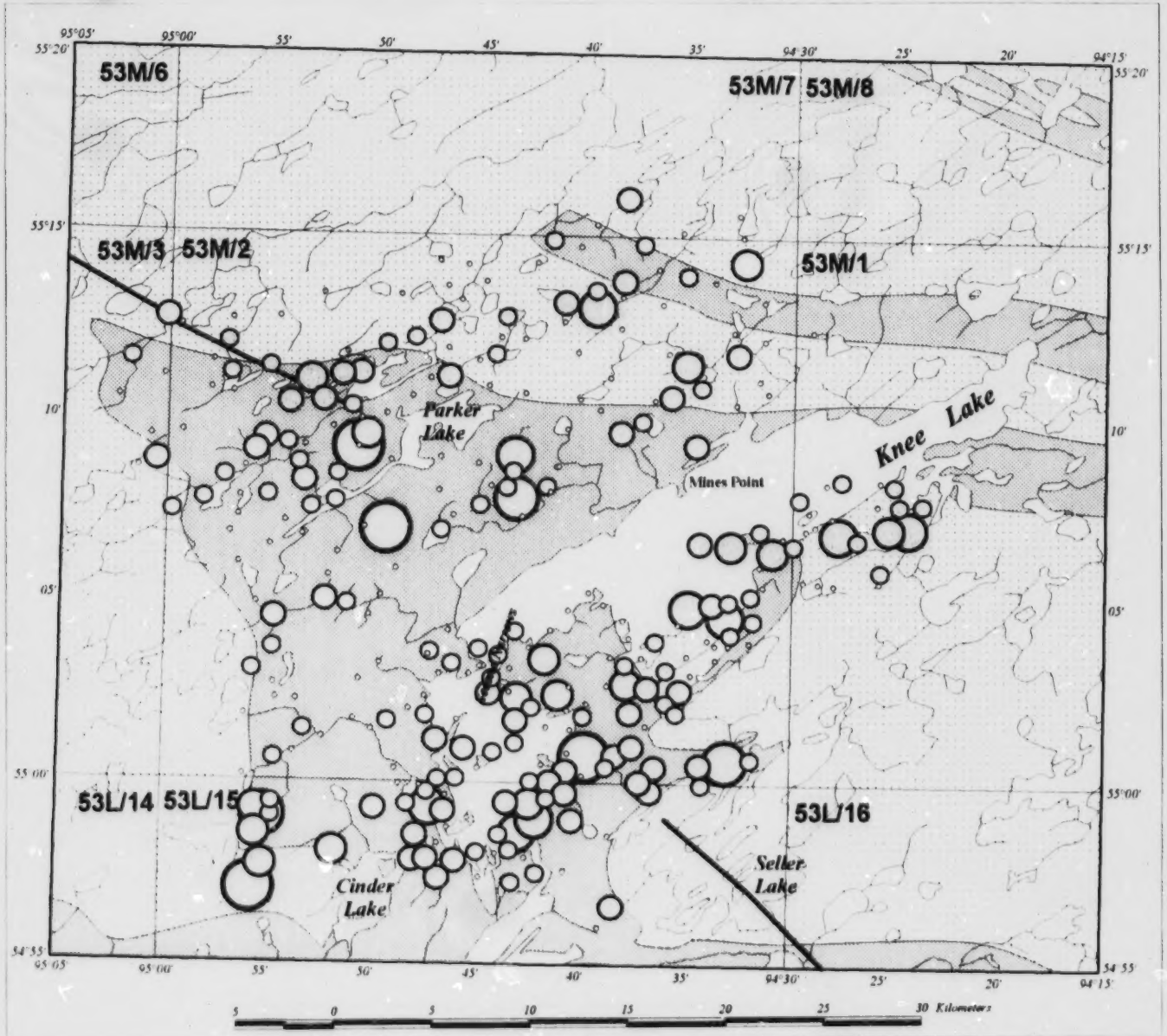
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Zn (ppb)

- Zn_bhel.shp
- >5<=5 (50%tile)
- >5<=15 (75%tile)
- >16<=26 (90%tile)
- >26<=38 (95%tile)
- >41<=53 (98%tile)
- >59<=70 (99%tile)
- >71<=146 (100%tile)

B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



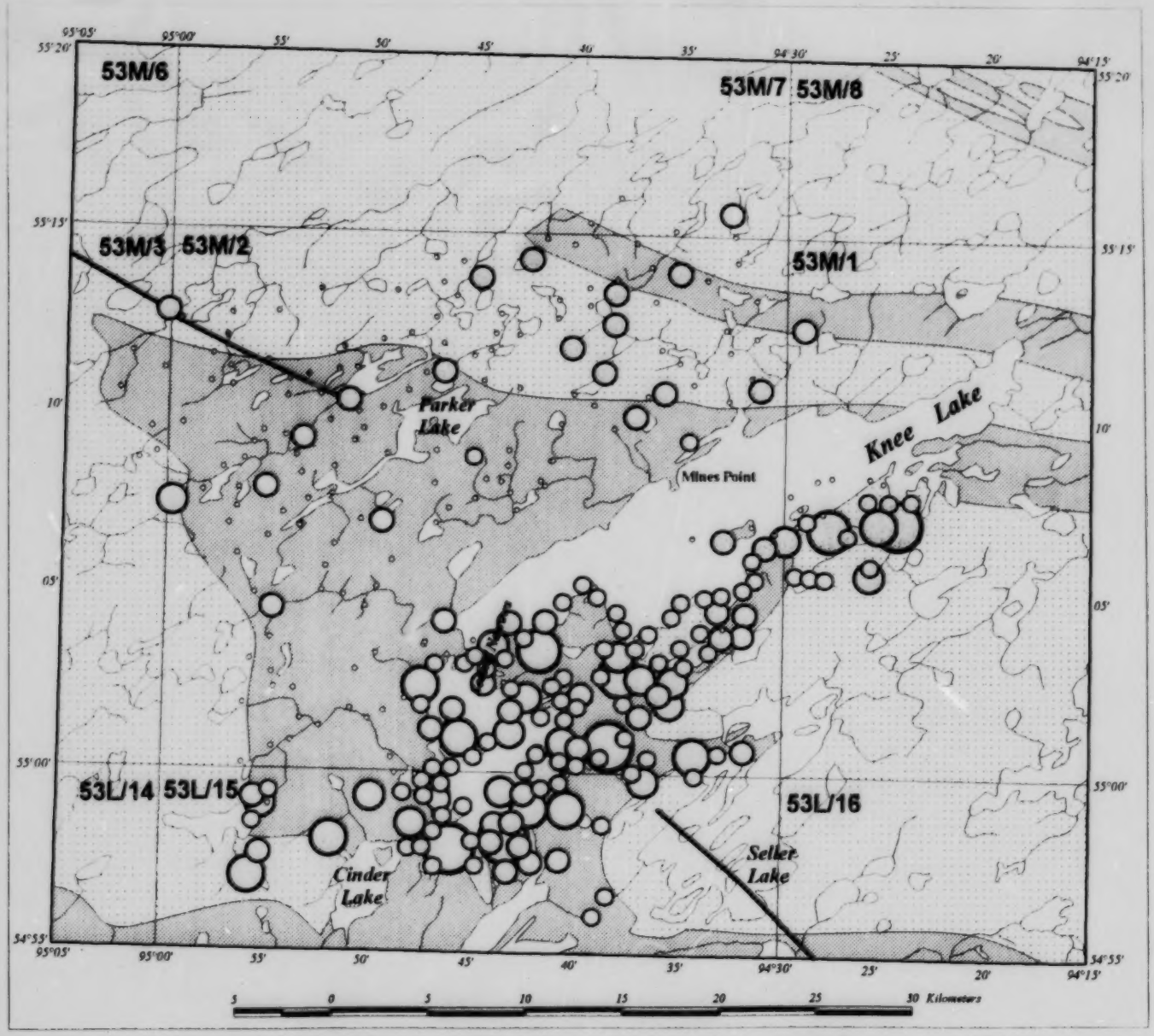
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Pb (ppb)

- >1<=1 (50%tile)
- >1<=2 (75%tile)
- >2<=3 (90%tile)
- >3<=4 (95%tile)
- >5<=6 (98%tile)
- >6<=7 (99%tile)
- >8<=13 (100%tile)

B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



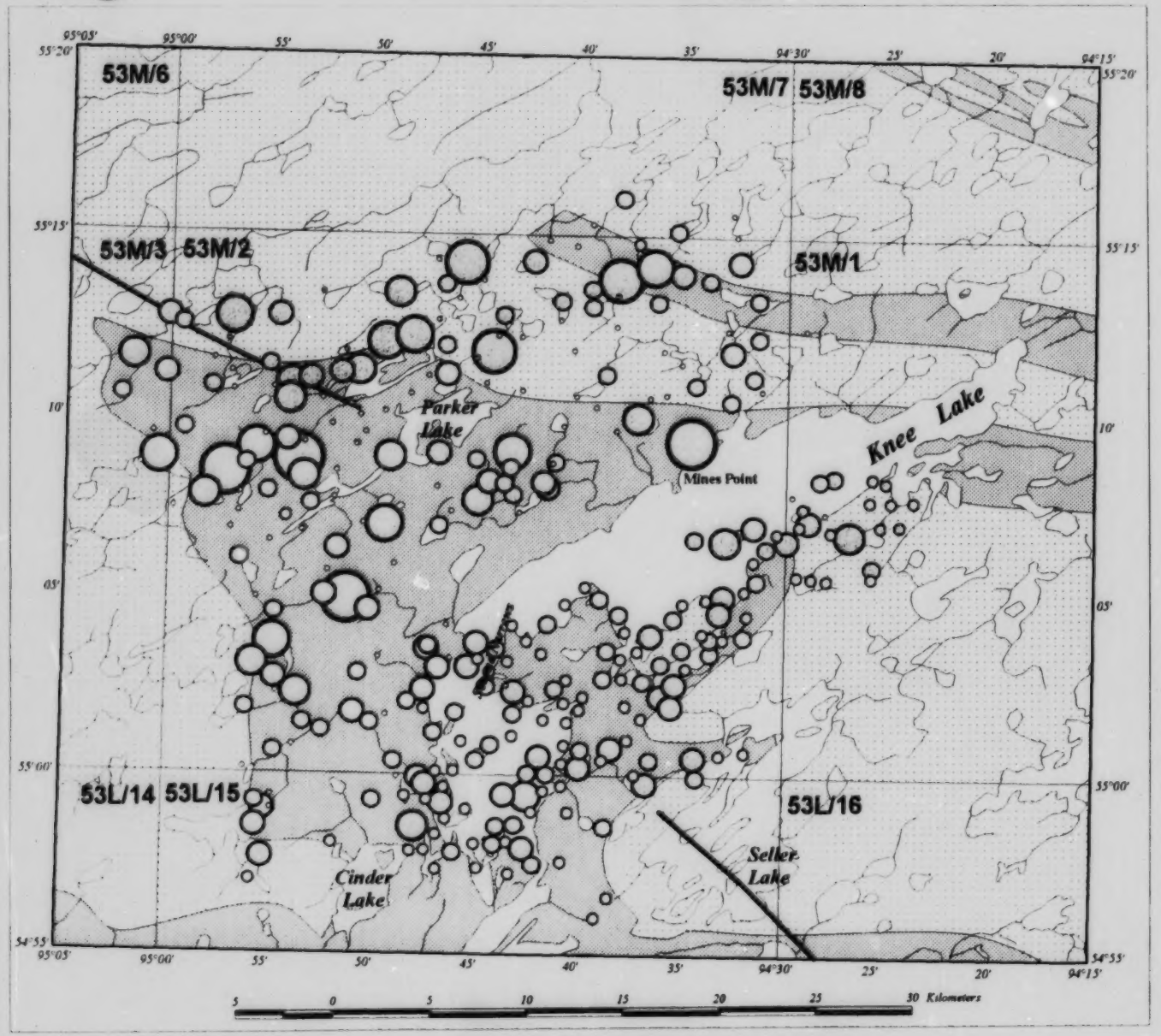
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Ga (ppm)

- >1<=1 (50%tile)
- >1<=2 (75%tile)
- >2<=3 (90%tile)
- >3<=4 (95%tile)
- >4<=5 (98%tile)
- >5<=5 (99%tile)
- >5<=7 (100%tile)

B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



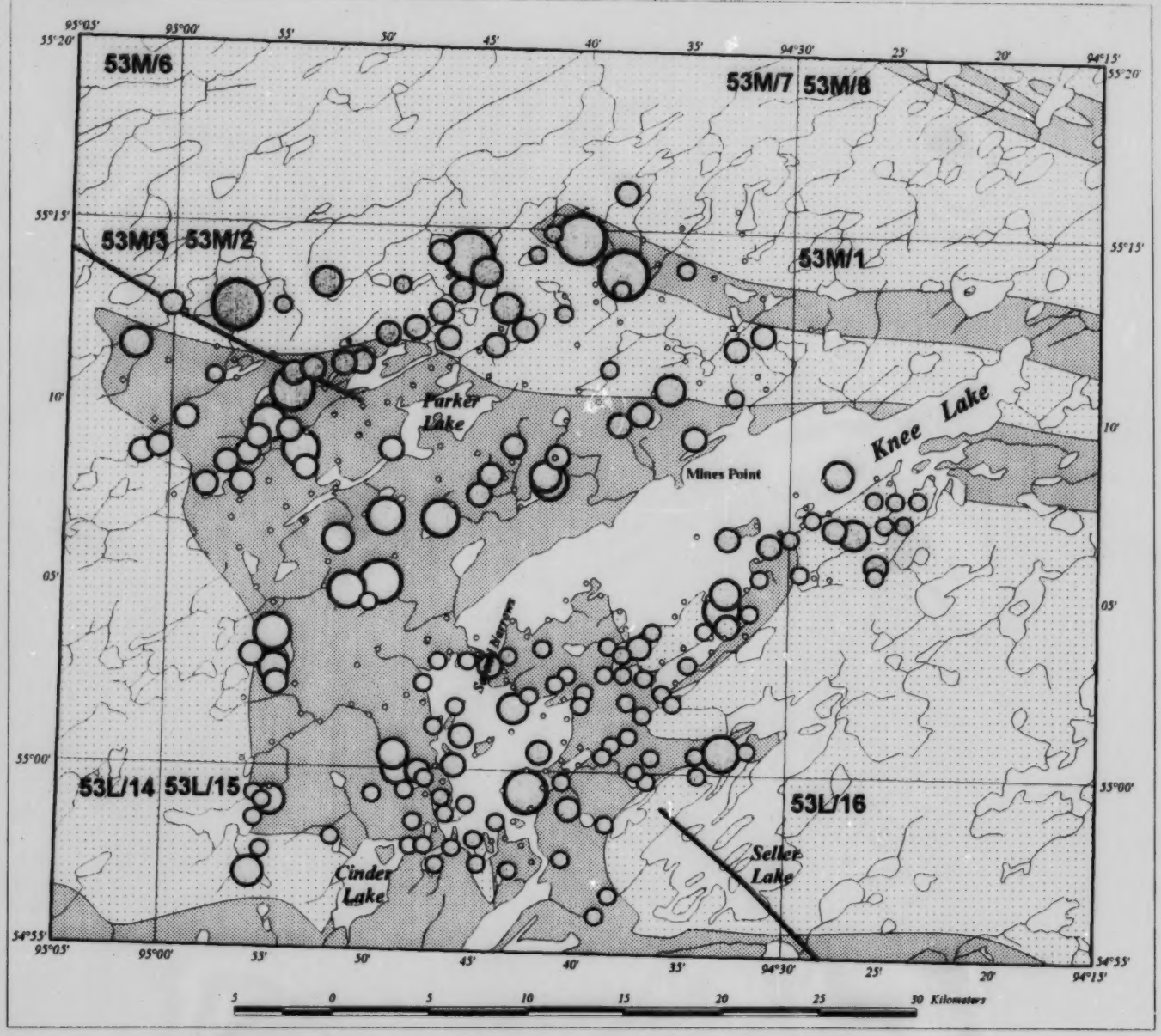
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Cd (ppb)

- >0.1<=0.1 (25%tile)
- >0.1<=0.2 (50%tile)
- >0.2<=0.4 (75%tile)
- >0.4<=0.7 (90%tile)
- >0.7<=0.9 (95%tile)
- >0.9<=1.5 (98%tile)
- >1.5<=1.5 (99%tile)
- >1.5<=2.4 (100%tile)

B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



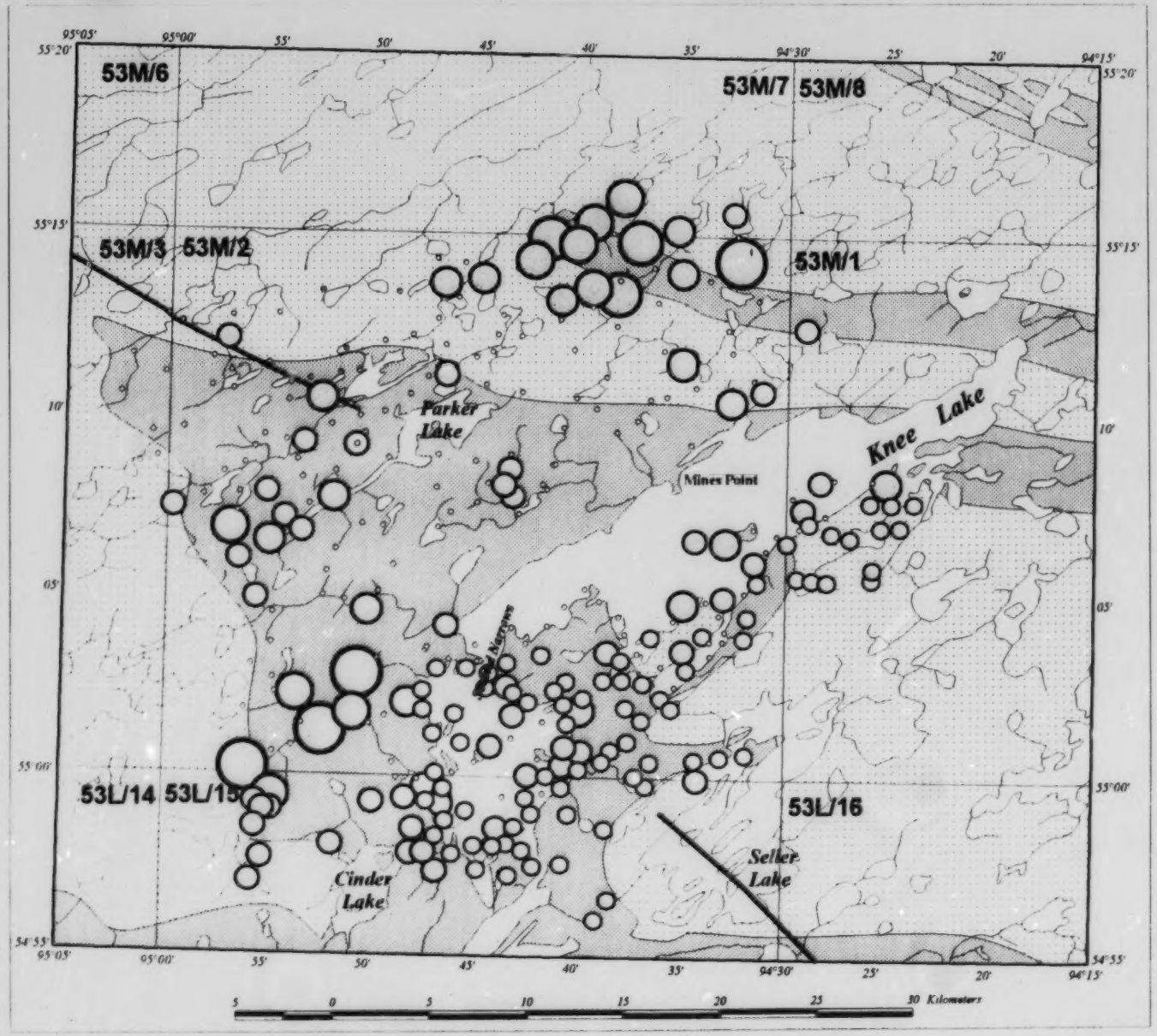
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Tl (ppb)

- >0.1<=0.1 (25%tile)
- >0.1<=0.2 (75%tile)
- >0.2<=0.3 (90%tile)
- >0.3<=0.4 (95%tile)
- >0.4<=0.5 (98%tile)
- >0.5<=0.6 (99%tile)
- >0.6<=0.8 (100%tile)

B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



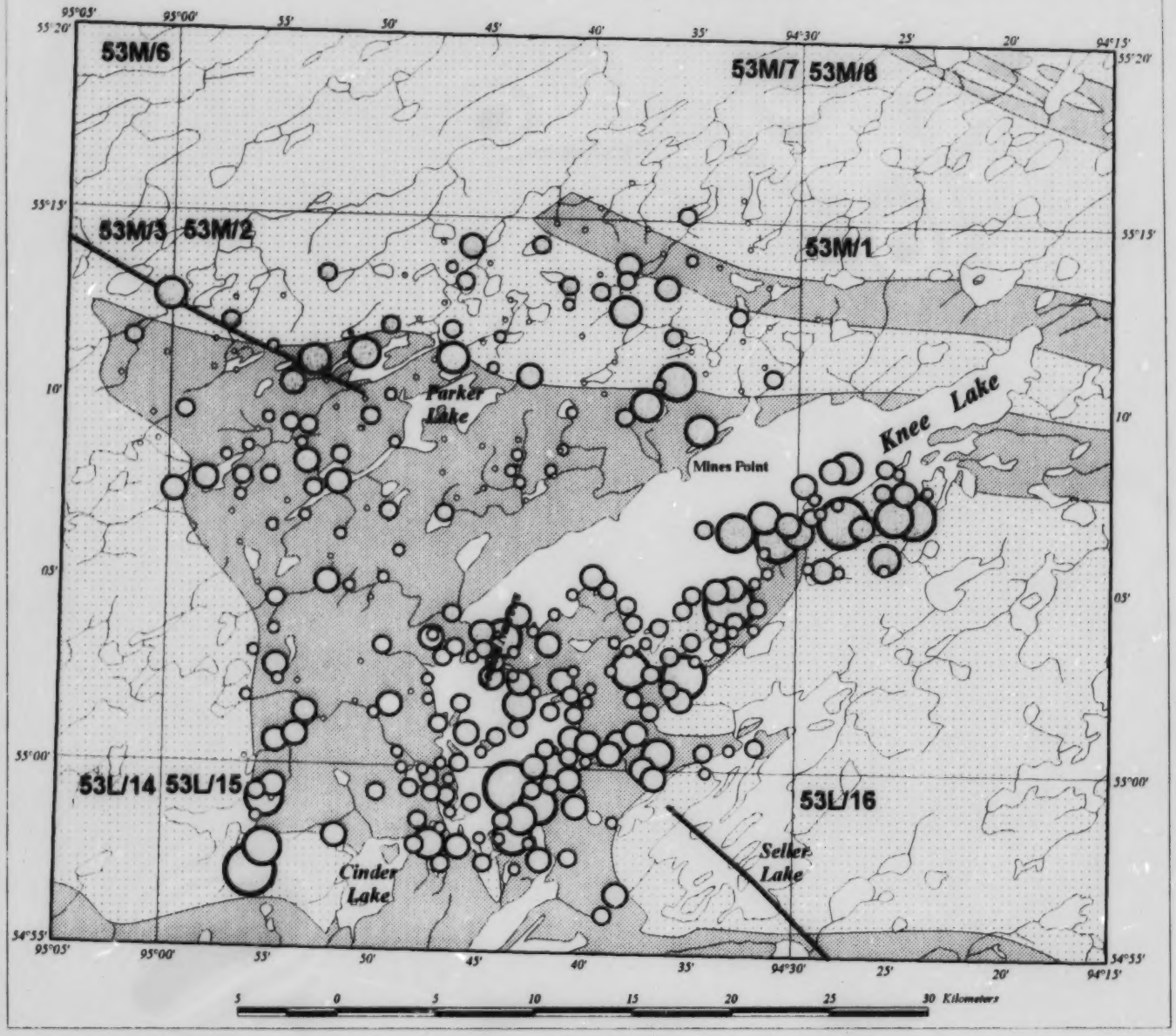
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Bi (ppb)

- >0.4<=0.4 (75%tile)
- >0.4<=1.4 (90%tile)
- >1.5<=1.9 (95%tile)
- >2.1<=2.6 (98%tile)
- >2.9<=3.2 (99%tile)
- >3.8<=7.4 (100%tile)

B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



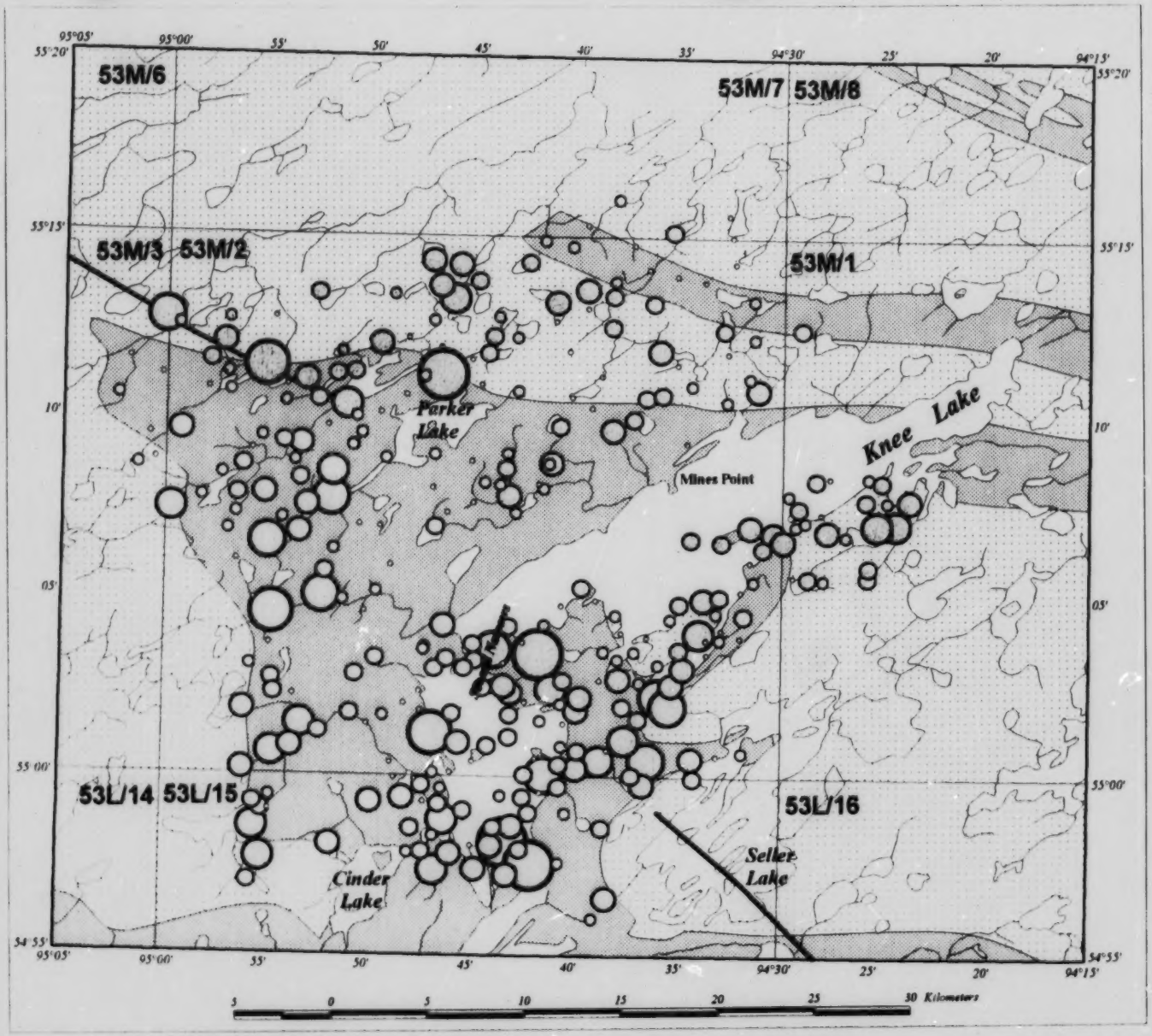
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Ti (ppb)
semi-quantitative

- >50<=50 (25%tile)
- >50<=111 (50%tile)
- >112<=169 (75%tile)
- >173<=244 (90%tile)
- >249<=380 (95%tile)
- >388<=586 (98%tile)
- >611<=669 (99%tile)
- >724<=1270 (100%tile)

B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



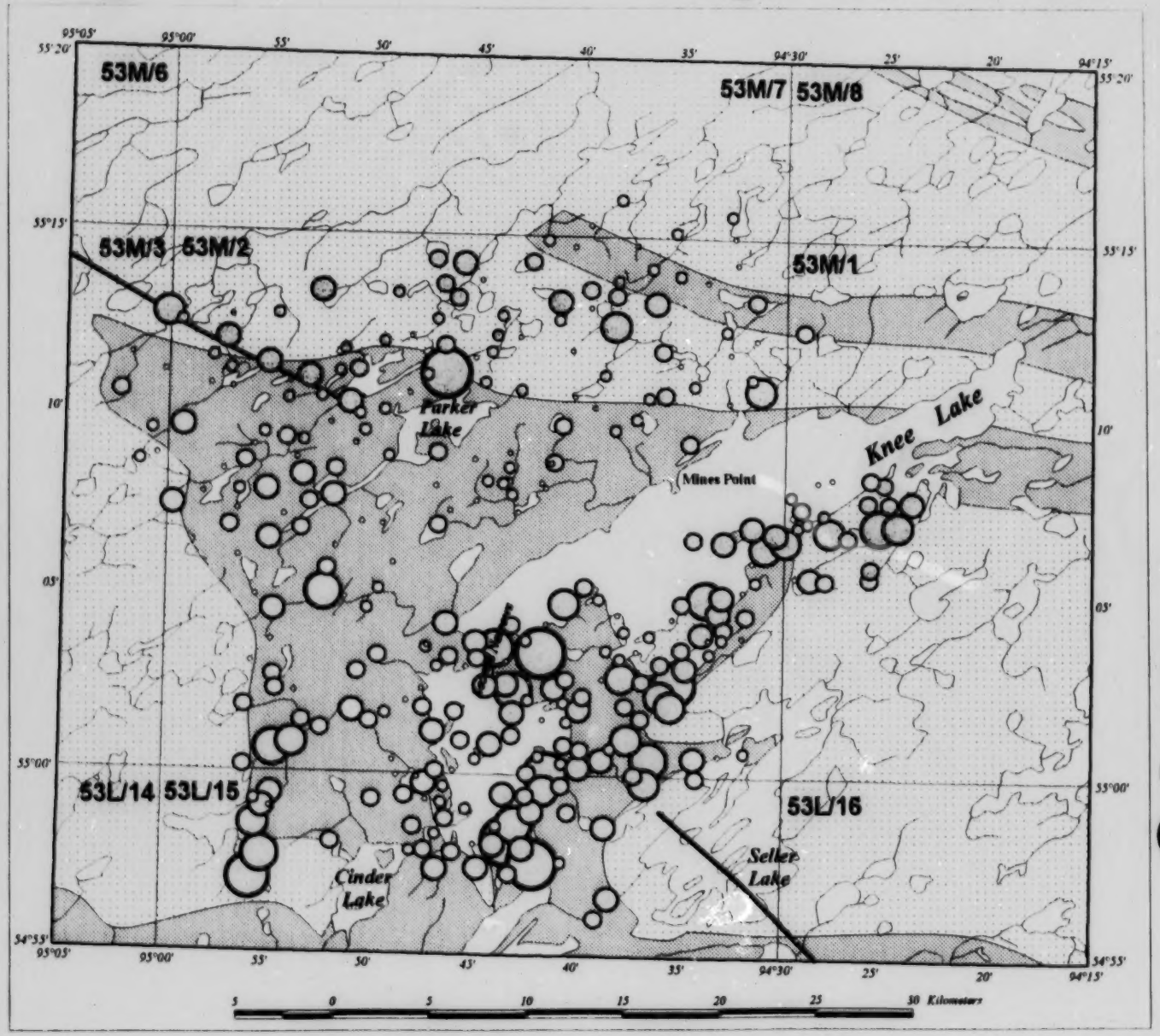
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Y (ppb)

- >1.6<=5.7 (25%tile)
- >5.8<=9.0 (50%tile)
- >9.0<=20.6 (75%tile)
- >20.6<=33.8 (90%tile)
- >33.9<=43.7 (95%tile)
- >44.0<=56.8 (98%tile)
- >57.6<=67.9 (99%tile)
- >69.1<=89.7 (100%tile)

B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



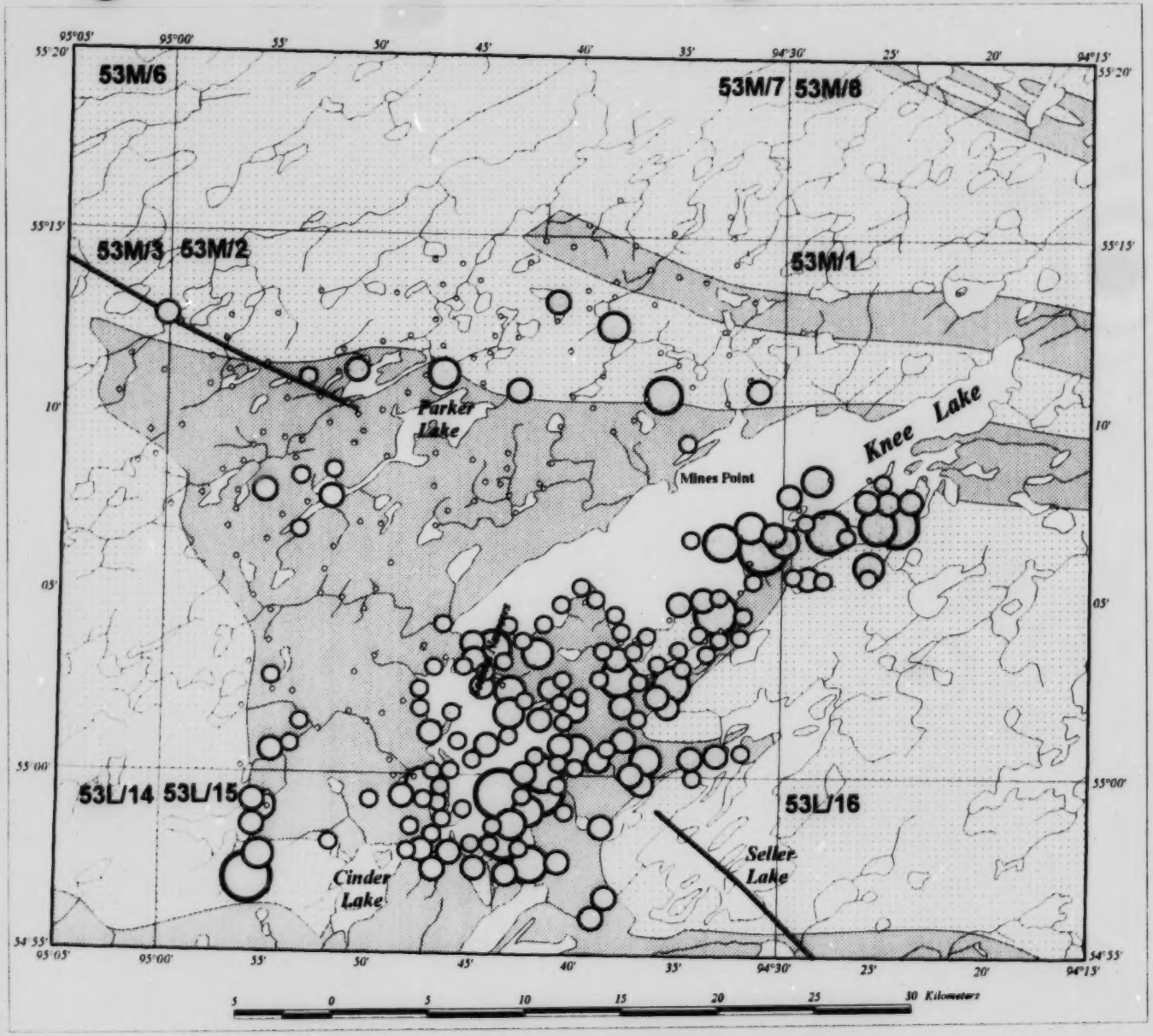
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Zr (ppb)

- >1.2<=10.5 (25%tile)
- >10.6<=17.4 (50%tile)
- >17.4<=30.9 (75%tile)
- >31.8<=55.8 (90%tile)
- >56.5<=72.3 (95%tile)
- >73.0<=96.8 (98%tile)
- >106.0<=112.0 (99%tile)
- >117.0<=177.0 (100%tile)

B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



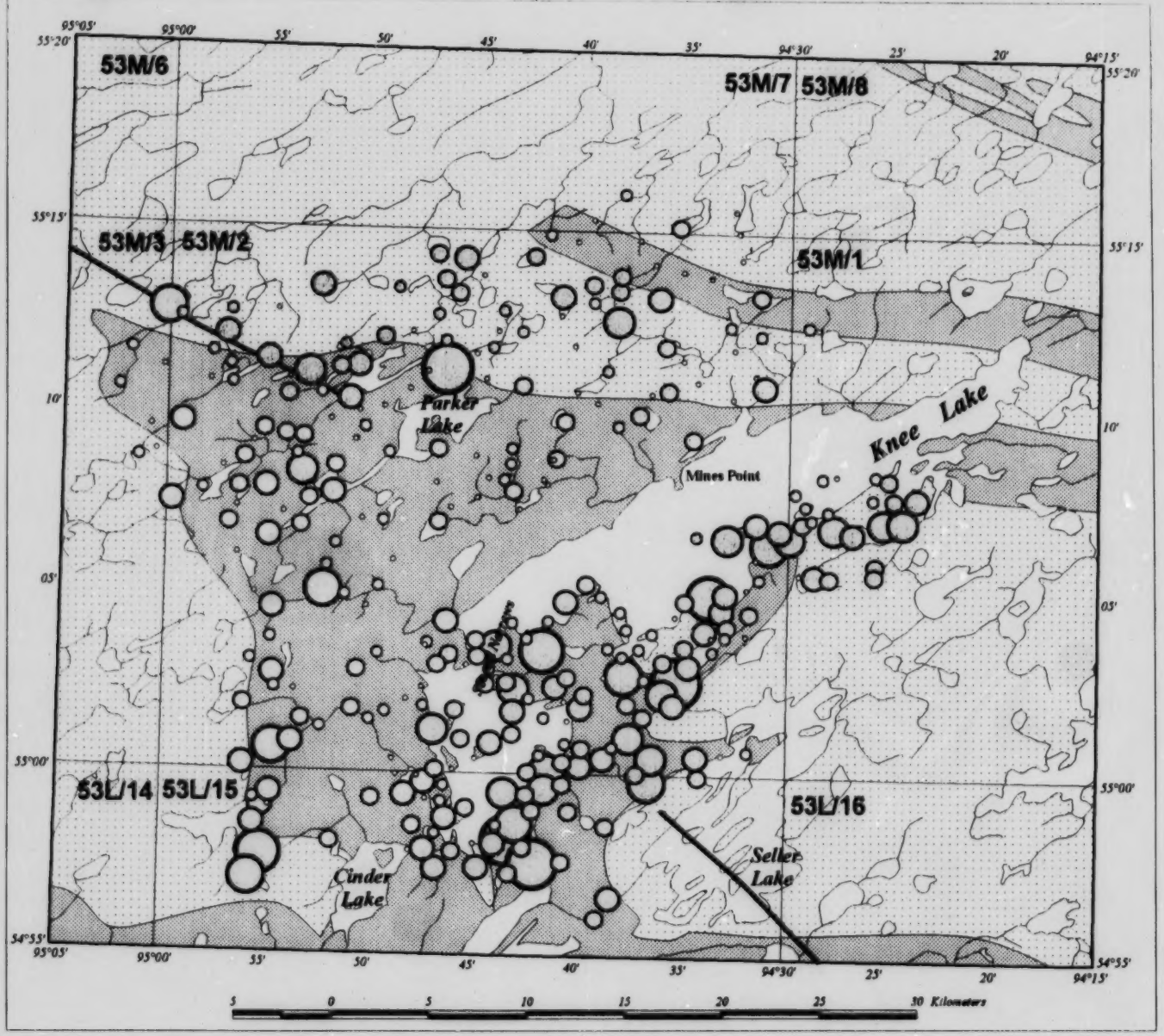
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Nb (ppb)

- >0.1<=0.1 (50%tile)
- >0.1<=1.1 (75%tile)
- >1.1<=1.6 (90%tile)
- >1.6<=2.2 (95%tile)
- >2.3<=3.1 (98%tile)
- >3.2<=3.6 (99%tile)
- >3.7<=15.6 (100%tile)

B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



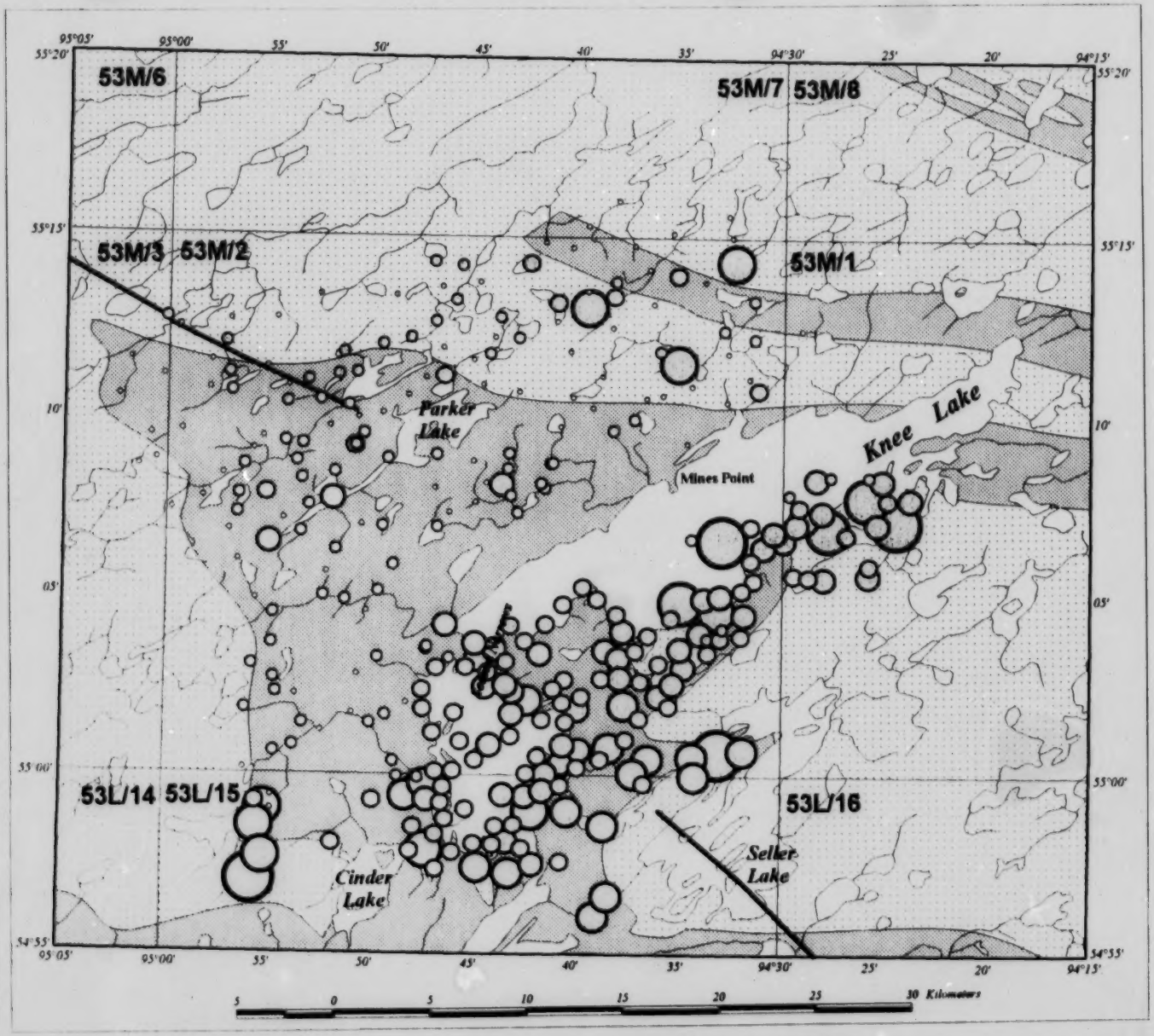
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Hf (ppb)

- >0.1<=0.3 (25%tile)
- >0.3<=0.4 (50%tile)
- >0.4<=0.8 (75%tile)
- >0.8<=1.5 (90%tile)
- >1.5<=1.8 (95%tile)
- >1.8<=2.2 (98%tile)
- >2.4<=2.4 (99%tile)
- >2.5<=4.2 (100%tile)

B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



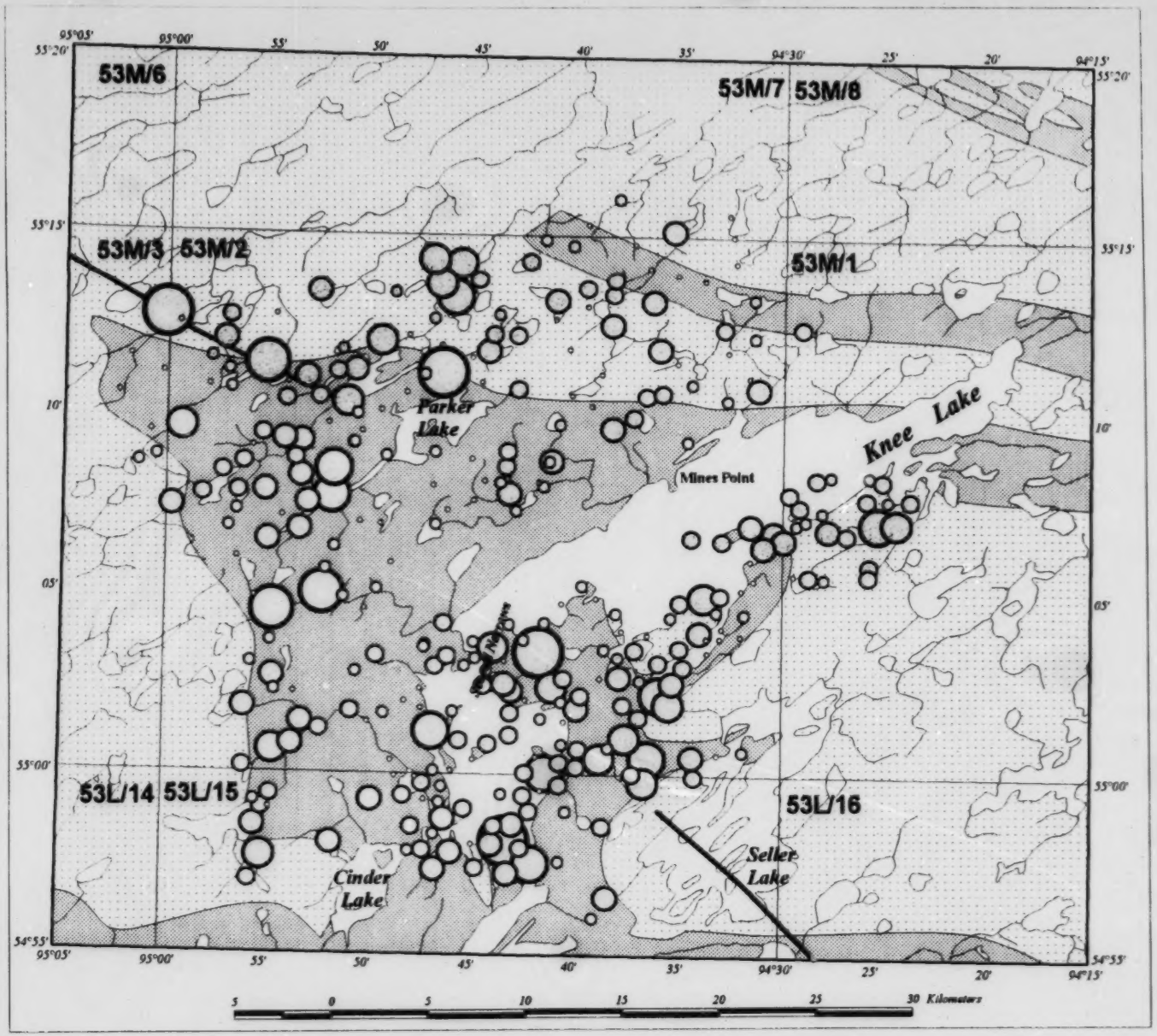
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Ta (ppb)

- >0.1<=0.1 (25%tile)
- >0.1<=0.2 (75%tile)
- >0.2<=0.3 (98%tile)
- >0.3<=0.4 (99%tile)
- >0.4<=0.6 (100%tile)

B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



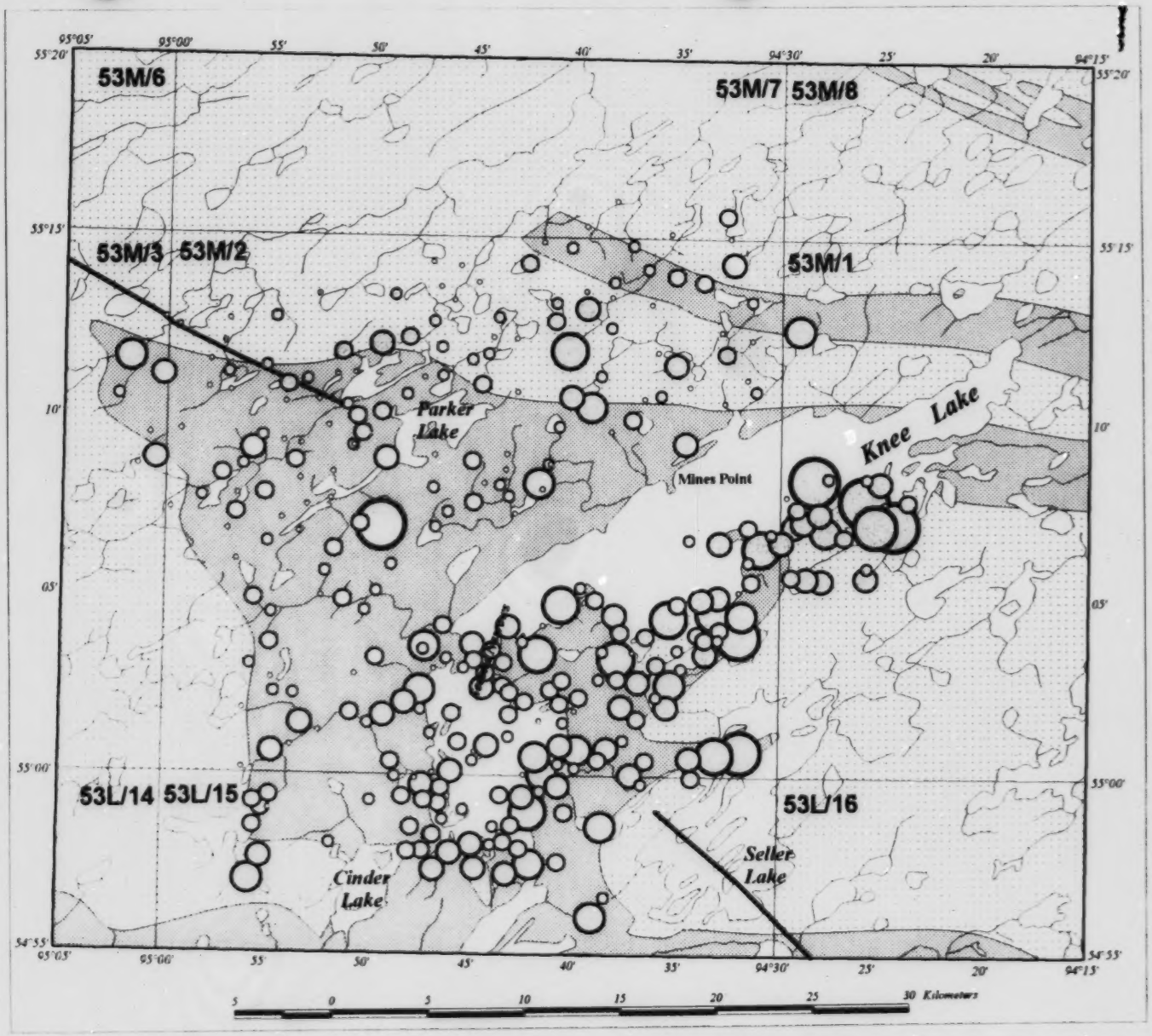
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Total REE (ppb)

- >12.1<=41.9 (25%tile)
- >42.3<=72.6 (50%tile)
- >72.8<=148.2 (75%tile)
- >149.1<=236.9 (90%tile)
- >238.2<=297.8 (95%tile)
- >316.7<=422.7 (98%tile)
- >433.9<=472.8 (99%tile)
- >490.0<=578.7 (100%tile)

B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



Legend

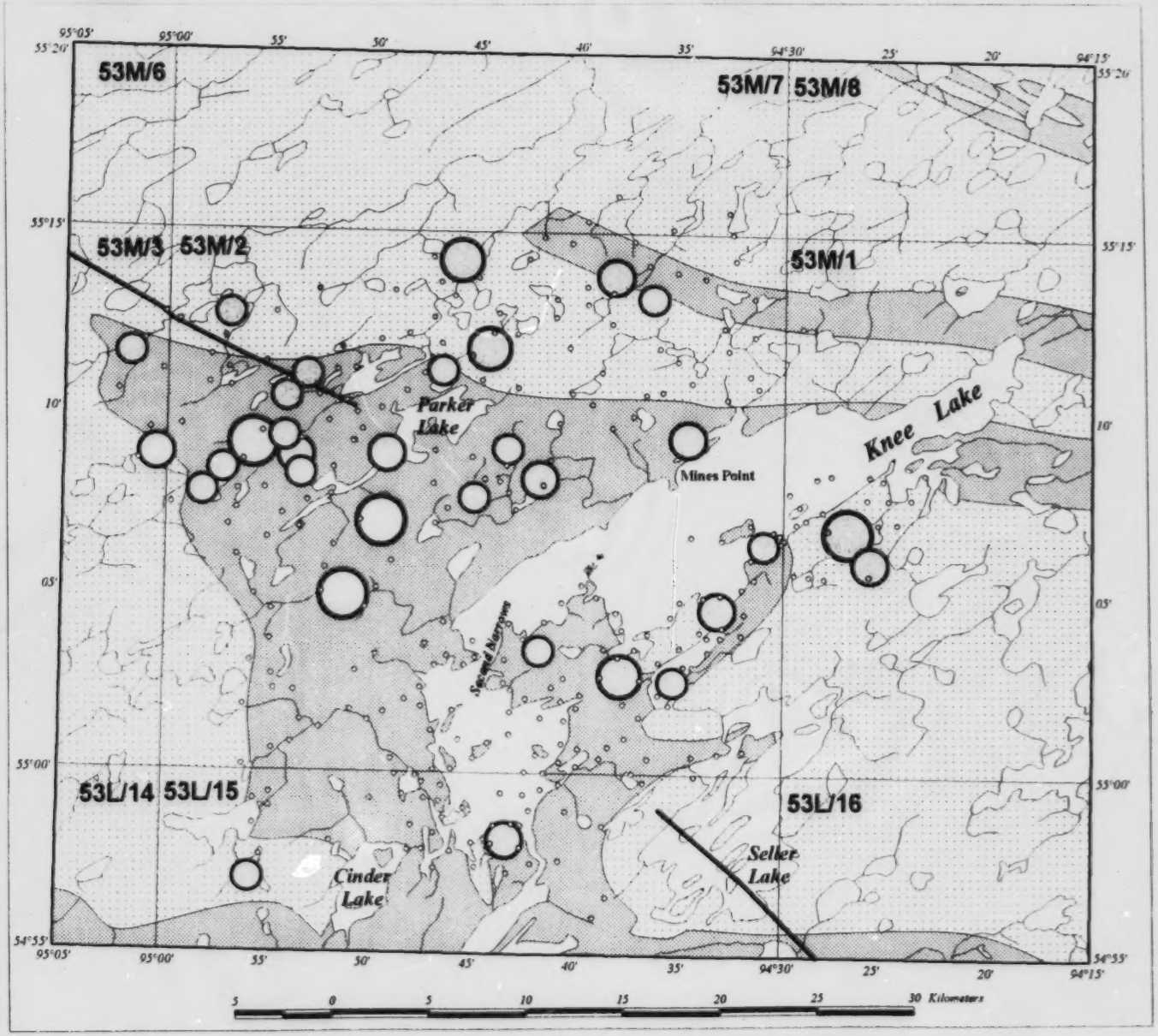
- Intrusive rocks
- Supracrustal rocks
- Dykes

Li (ppb)

semi-quantitative

- >1<=4 (25%tile)
- >4<=8 (50%tile)
- >8<=17 (75%tile)
- >17<=32 (90%tile)
- >32<=40 (95%tile)
- >41<=48 (98%tile)
- >53<=61 (99%tile)
- >72<=86 (100%tile)

B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



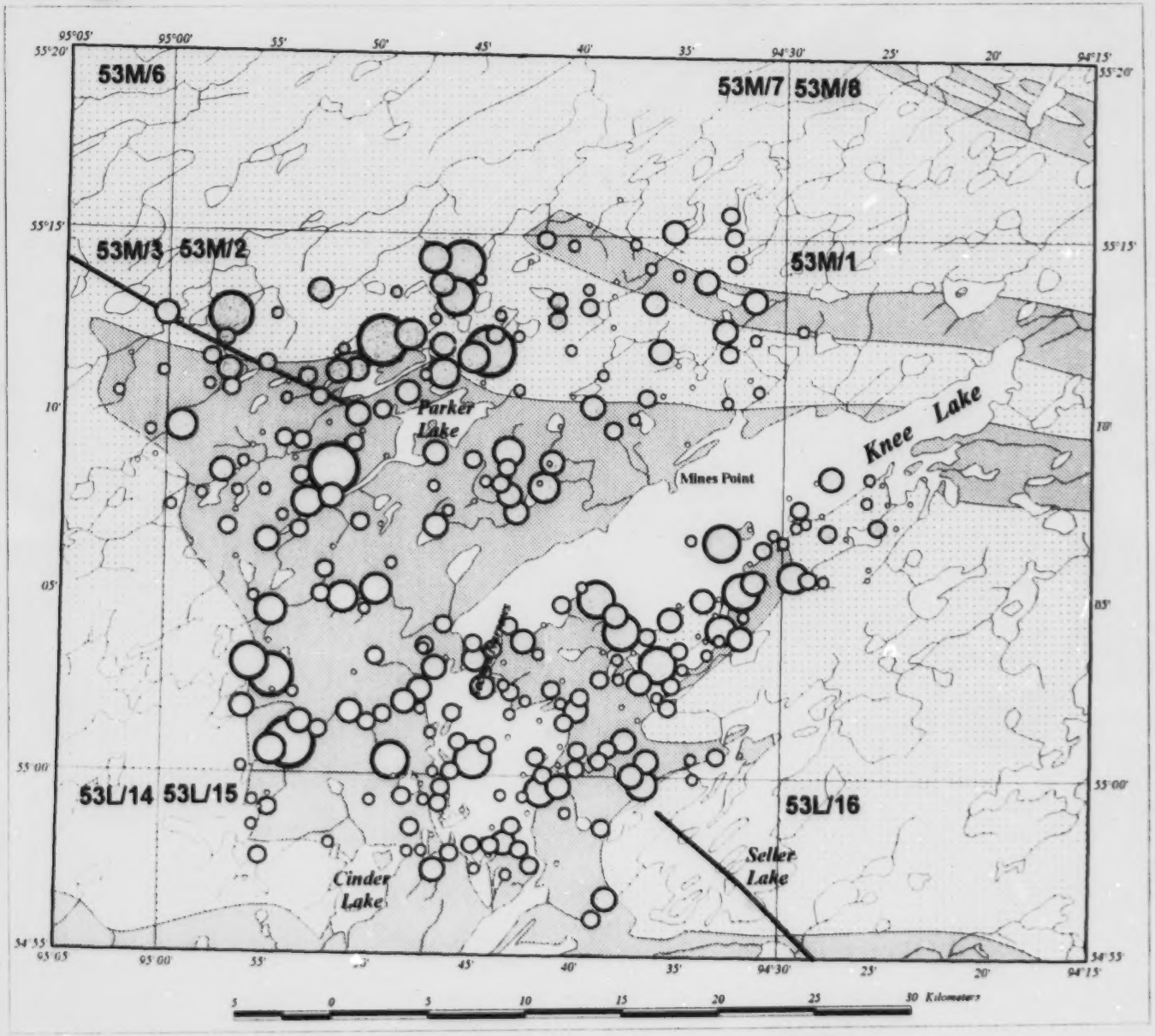
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Be (ppb)

- >1<=1 (90%tile)
- >2<=2 (95%tile)
- >3<=3 (98%tile)
- >3<=4 (99%tile)
- >4<=5 (100%tile)

B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



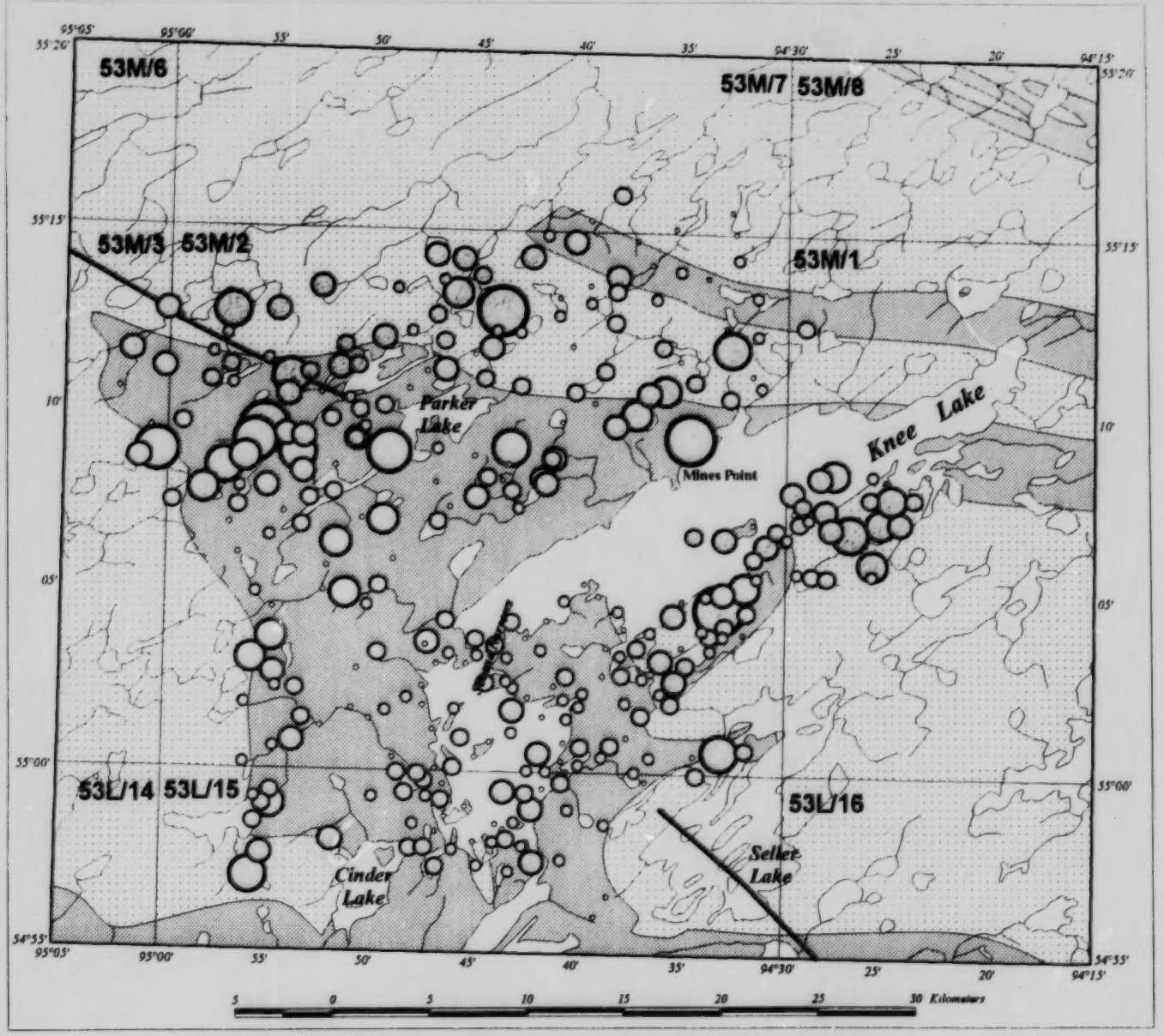
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Mn (ppb)

- >51<=388 (25%tile)
- >390<=639 (50%tile)
- >644<=1220 (75%tile)
- >1220<=1850 (90%tile)
- >1870<=2400 (95%tile)
- >2540<=3870 (98%tile)
- >3880<=4460 (99%tile)
- >5210<=8040 (100%tile)

B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



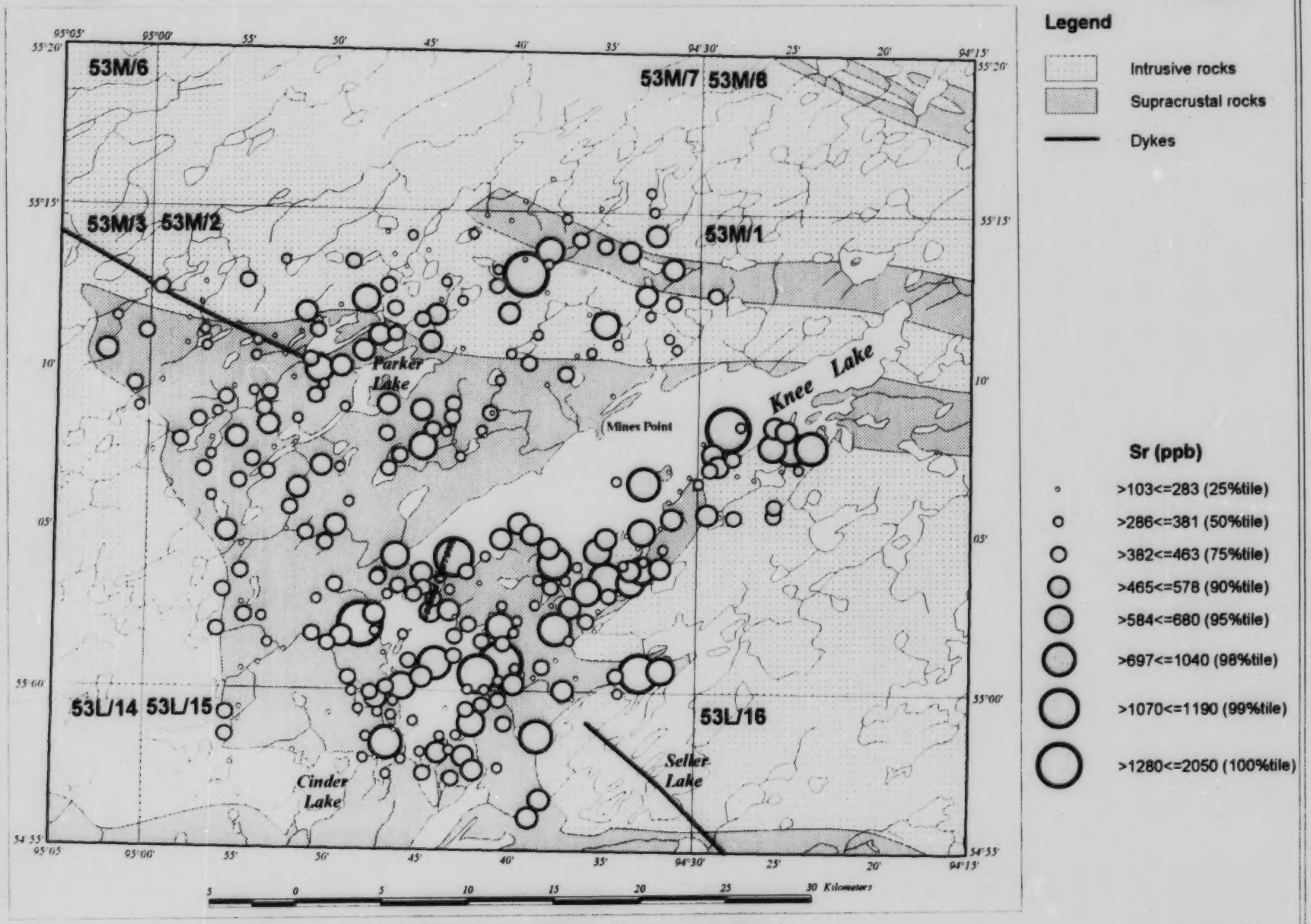
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

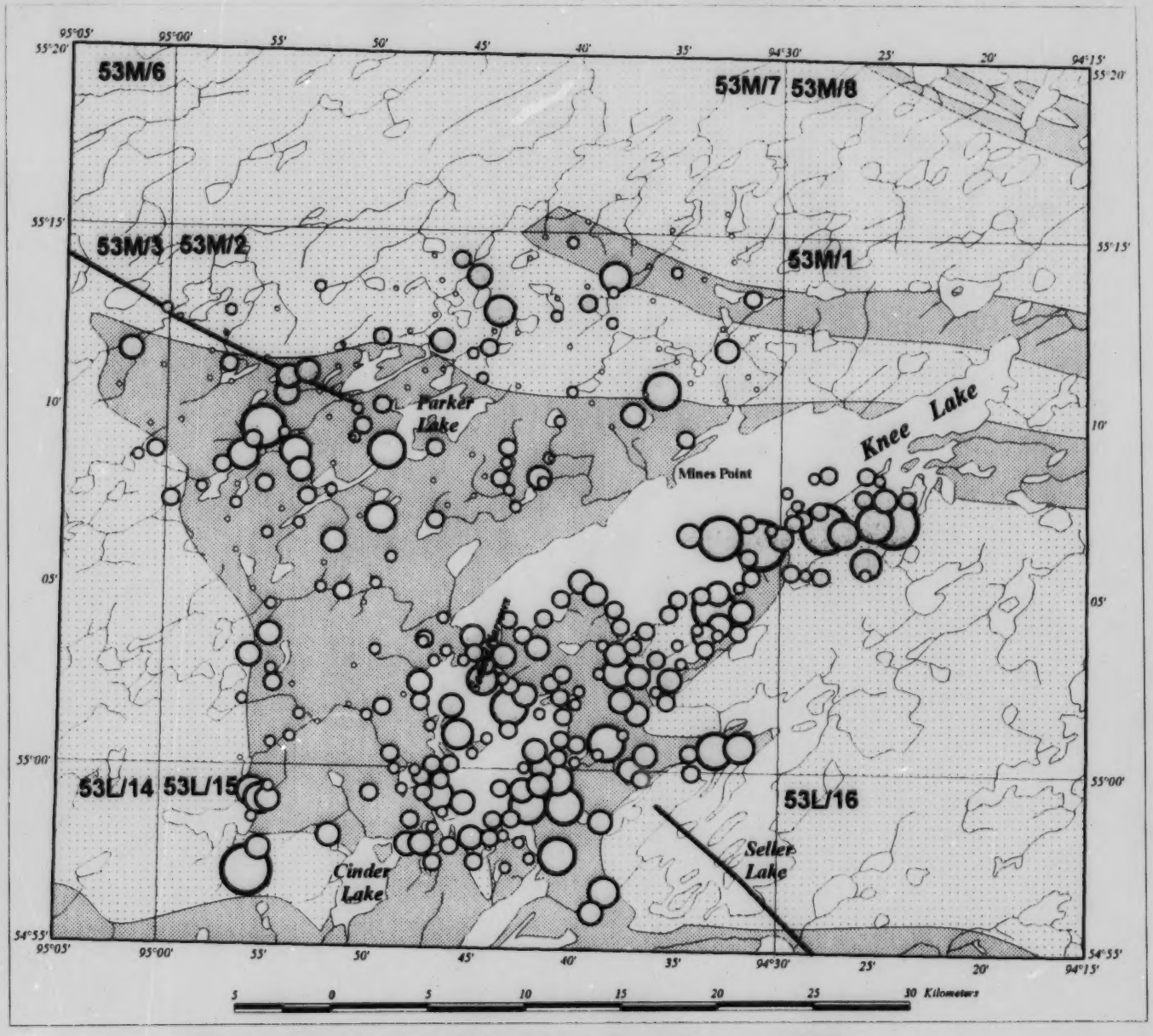
Rb (ppb)

- >5<=14 (25%tile)
- >14<=19 (50%tile)
- >19<=30 (75%tile)
- >30<=46 (90%tile)
- >49<=61 (95%tile)
- >62<=80 (98%tile)
- >81<=89 (99%tile)
- >92<=111 (100%tile)

B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



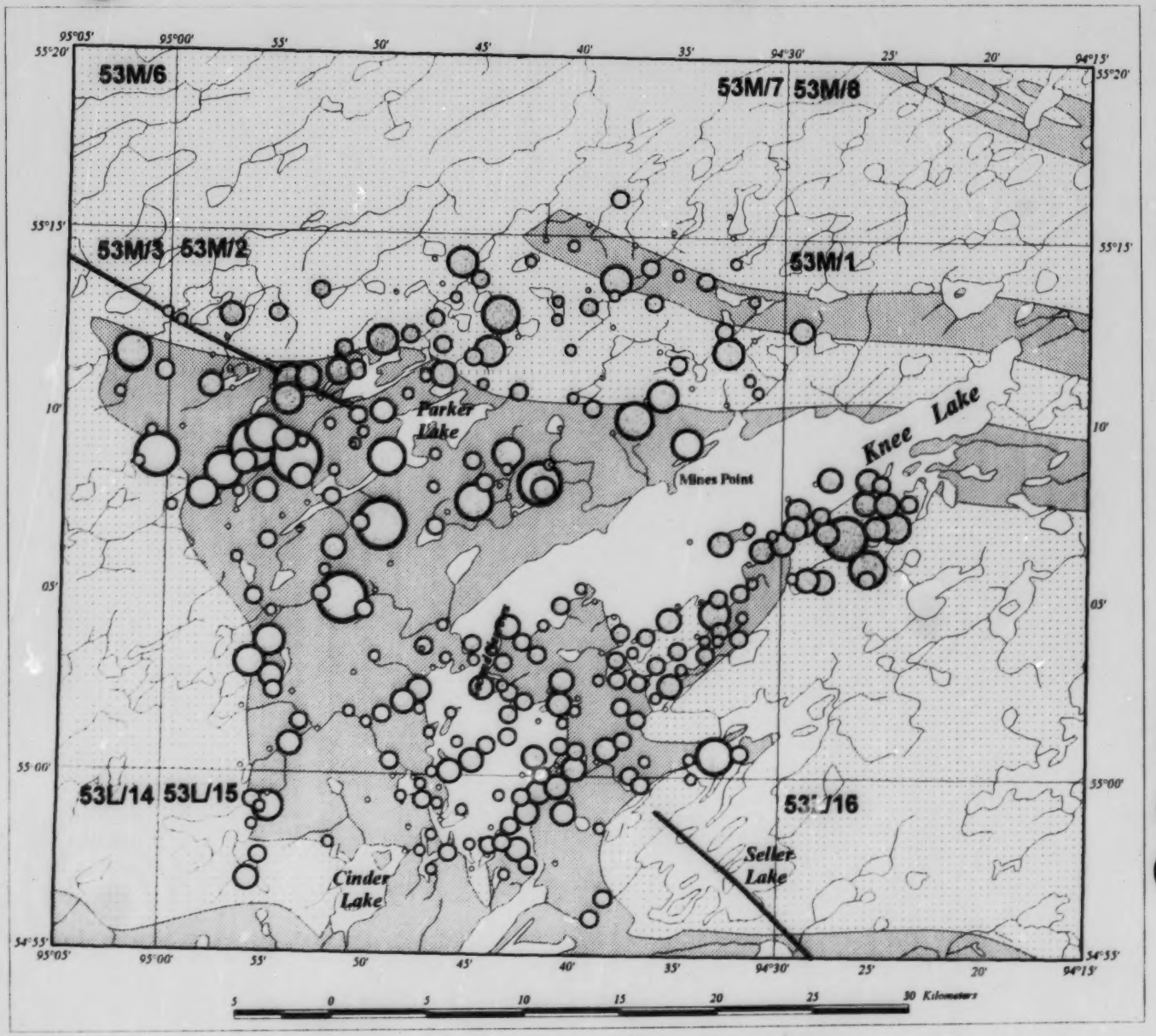
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Cs (ppb)

- >0.1<=0.1 (25%tile)
- >0.1<=0.2 (50%tile)
- >0.2<=0.3 (75%tile)
- >0.3<=0.5 (90%tile)
- >0.5<=0.8 (95%tile)
- >0.8<=1.3 (98%tile)
- >1.4<=1.4 (99%tile)
- >1.5<=2.6 (100%tile)

B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



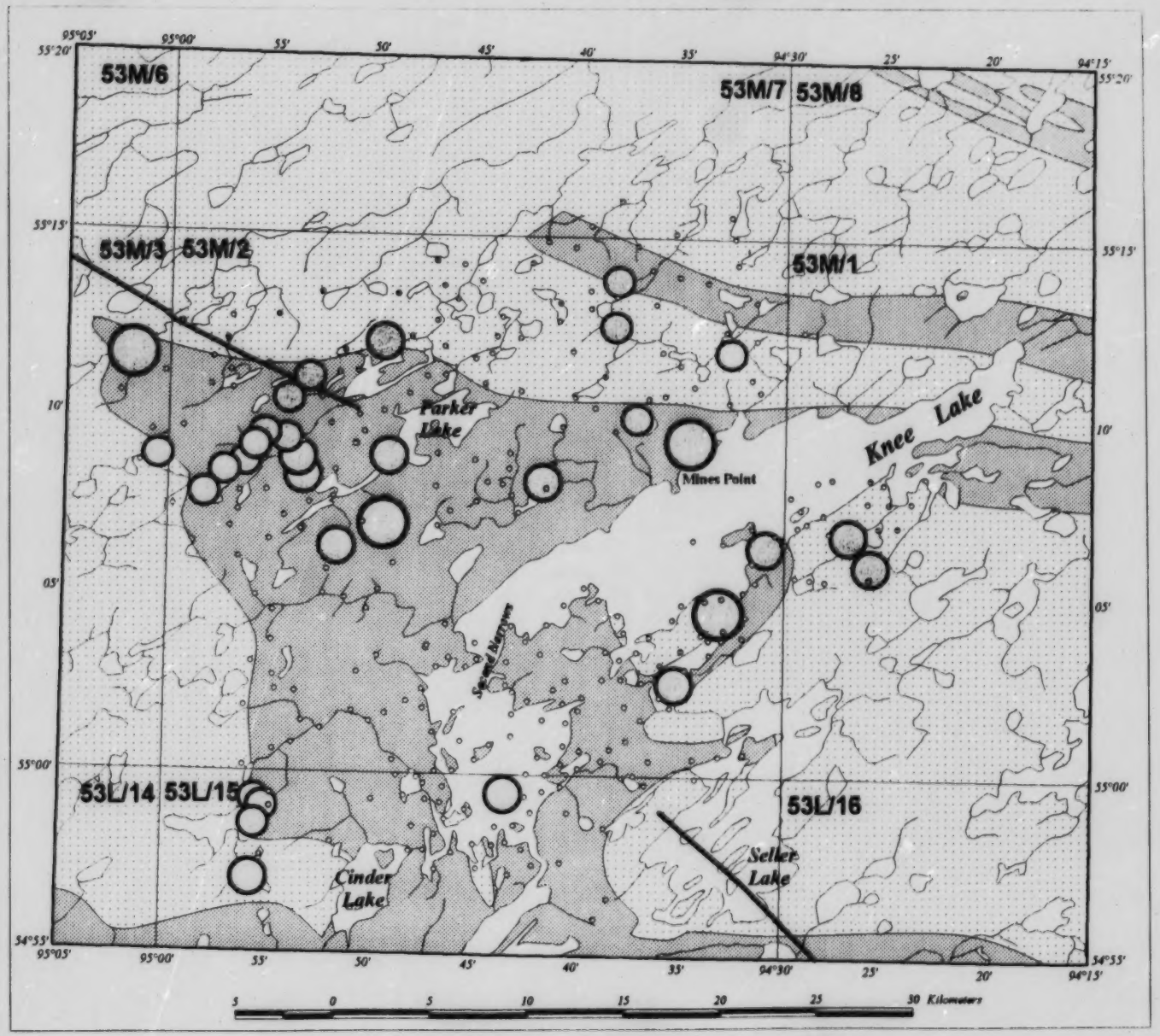
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Ba (ppb)

- >55<=136 (25%tile)
- >136<=173 (50%tile)
- >173<=234 (75%tile)
- >235<=460 (90%tile)
- >473<=792 (95%tile)
- >812<=1020 (98%tile)
- >1090<=1120 (99%tile)
- >1130<=1790 (100%tile)

B-horizon soil (-60 mesh) 320 samples Enzyme Leach - ICP-MS



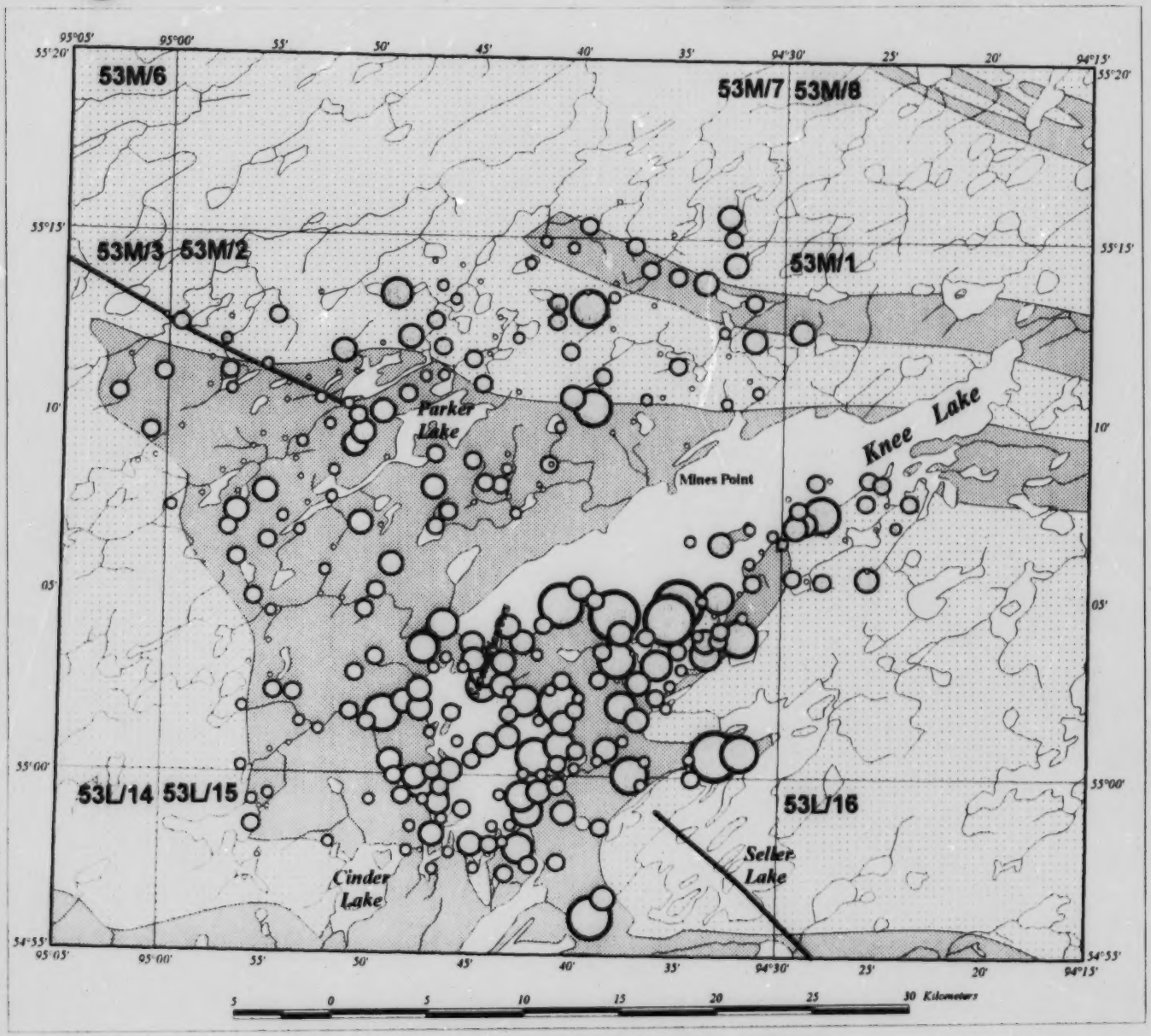
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

H+ (ppb)

- >-2<=-2 (90%tile)
- >-2<=-1 (95%tile)
- >-1<=-1 (99%tile)
- >0<=3 (100%tile)

B-horizon soil (-60 mesh) 320 samples ICP-OES



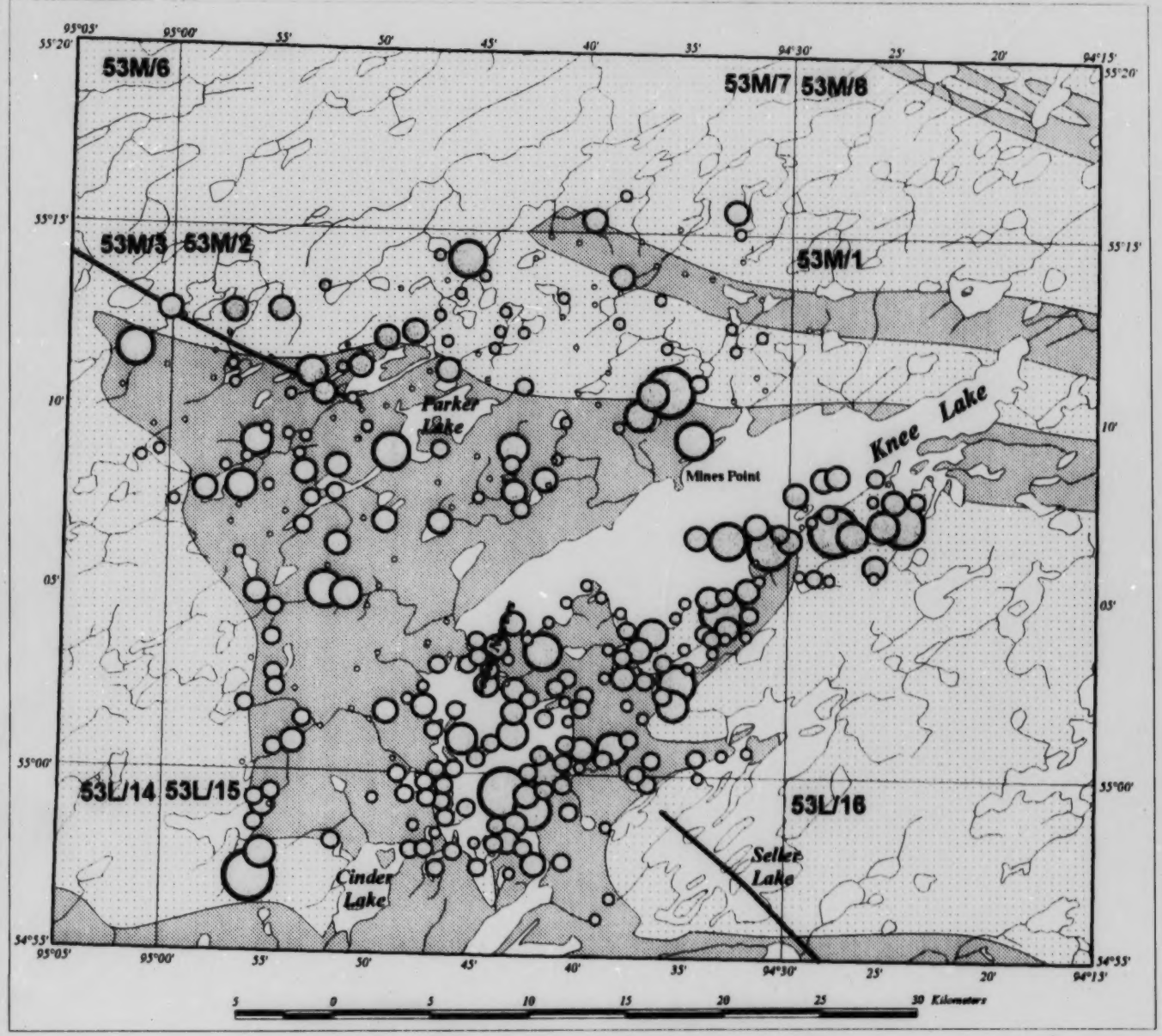
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Specific conductance (mhos/cm)

- >1<=4 (25%tile)
- >4<=10 (50%tile)
- >10<=15 (75%tile)
- >15<=18 (90%tile)
- >18<=19 (95%tile)
- >19<=22 (98%tile)
- >23<=23 (99%tile)
- >26<=36 (100%tile)

B-horizon soil (-60 mesh) 320 samples ICP-OES



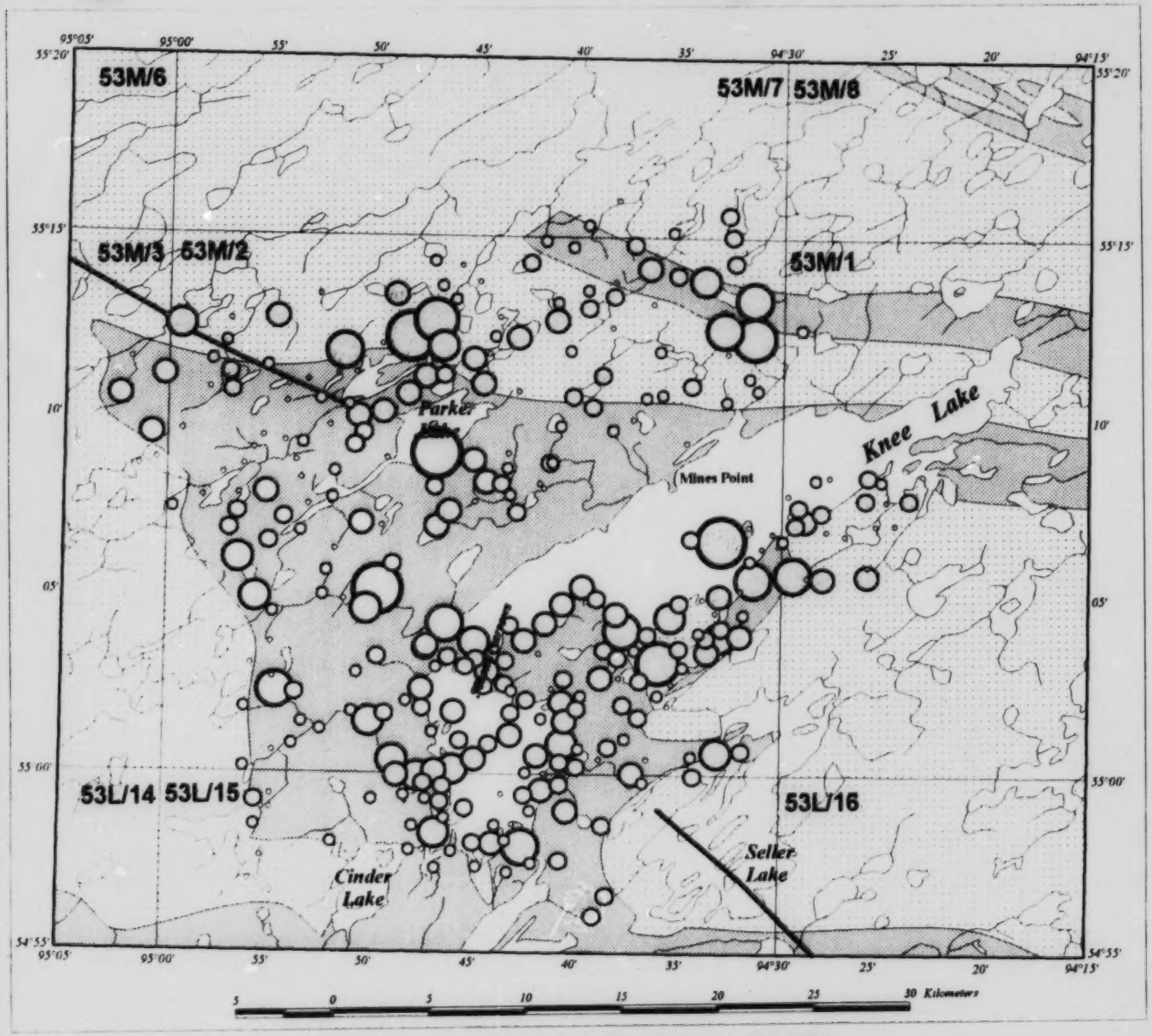
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Fe (ppm)

- >1<=1 (25%tile)
- >1<=2 (50%tile)
- >2<=3 (75%tile)
- >3<=4 (90%tile)
- >4<=5 (95%tile)
- >5<=7 (98%tile)
- >8<=8 (99%tile)
- >8<=15 (100%tile)

B-horizon soil (-60 mesh) 320 samples ICP-OES



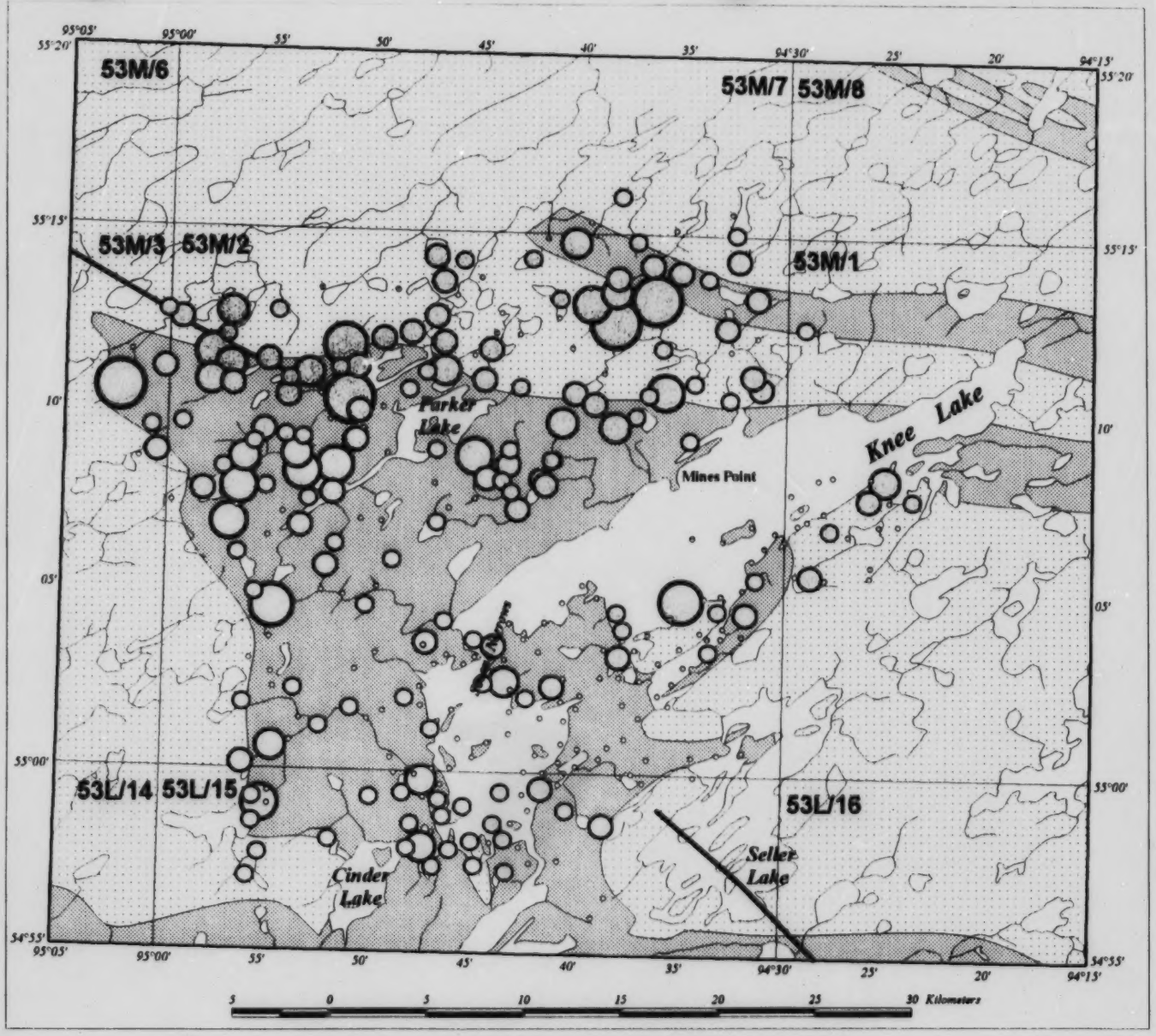
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Ca (ppm)

- >27<=168 (25%tile)
- >173<=426 (50%tile)
- >427<=561 (75%tile)
- >563<=634 (90%tile)
- >635<=667 (95%tile)
- >670<=701 (98%tile)
- >702<=716 (99%tile)
- >726<=1318 (100%tile)

B-horizon soil (-60 mesh) 320 samples ICP-OES



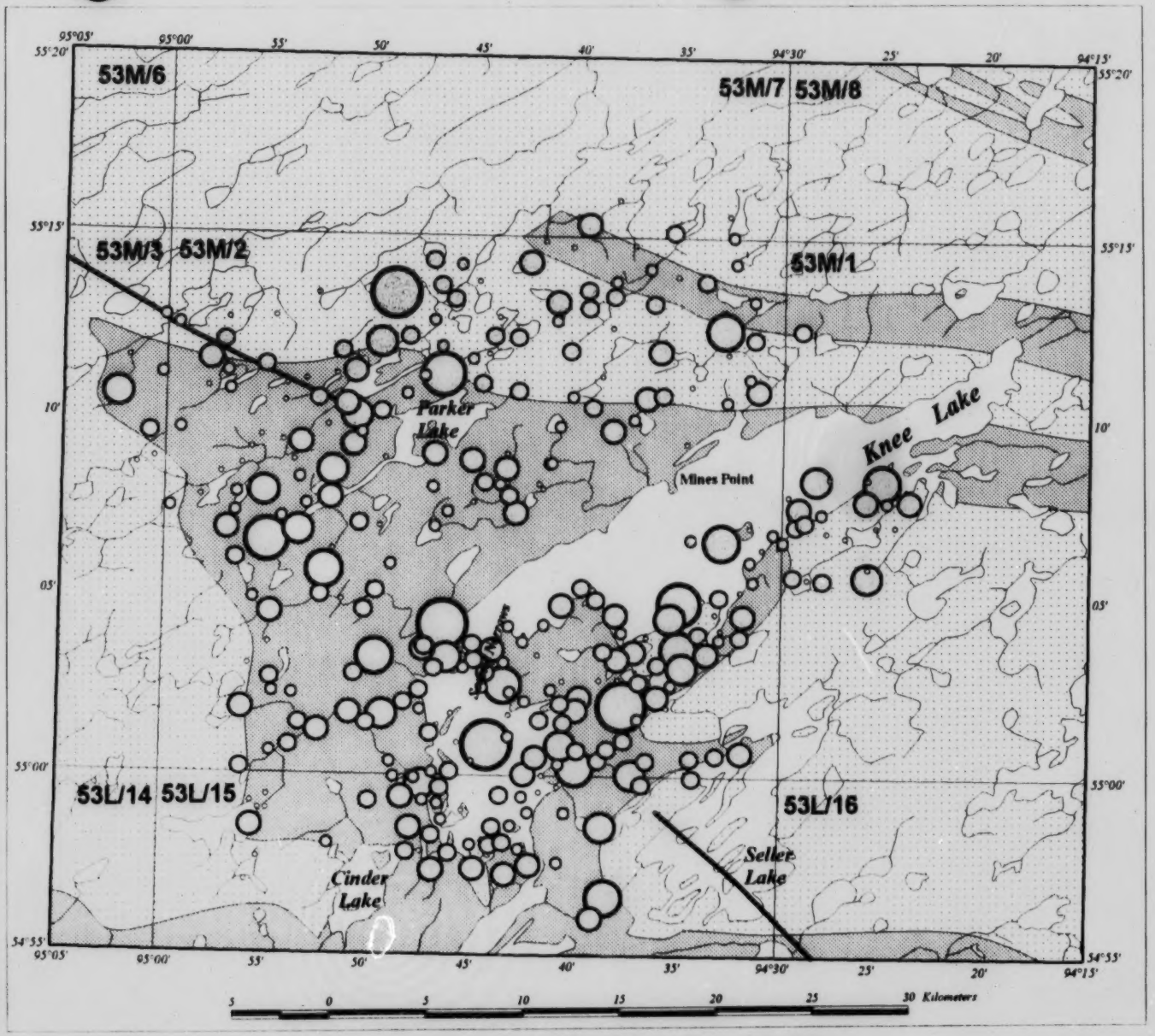
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Na (ppm)

- >2.5<=2.5 (50%tile)
- >2.5<=12.0 (75%tile)
- >12.5<=22.0 (90%tile)
- >22.1<=28.5 (95%tile)
- >28.6<=34.4 (98%tile)
- >34.4<=34.6 (99%tile)
- >34.8<=42.6 (100%tile)

B-horizon soil (-60 mesh) 320 samples ICP-OES



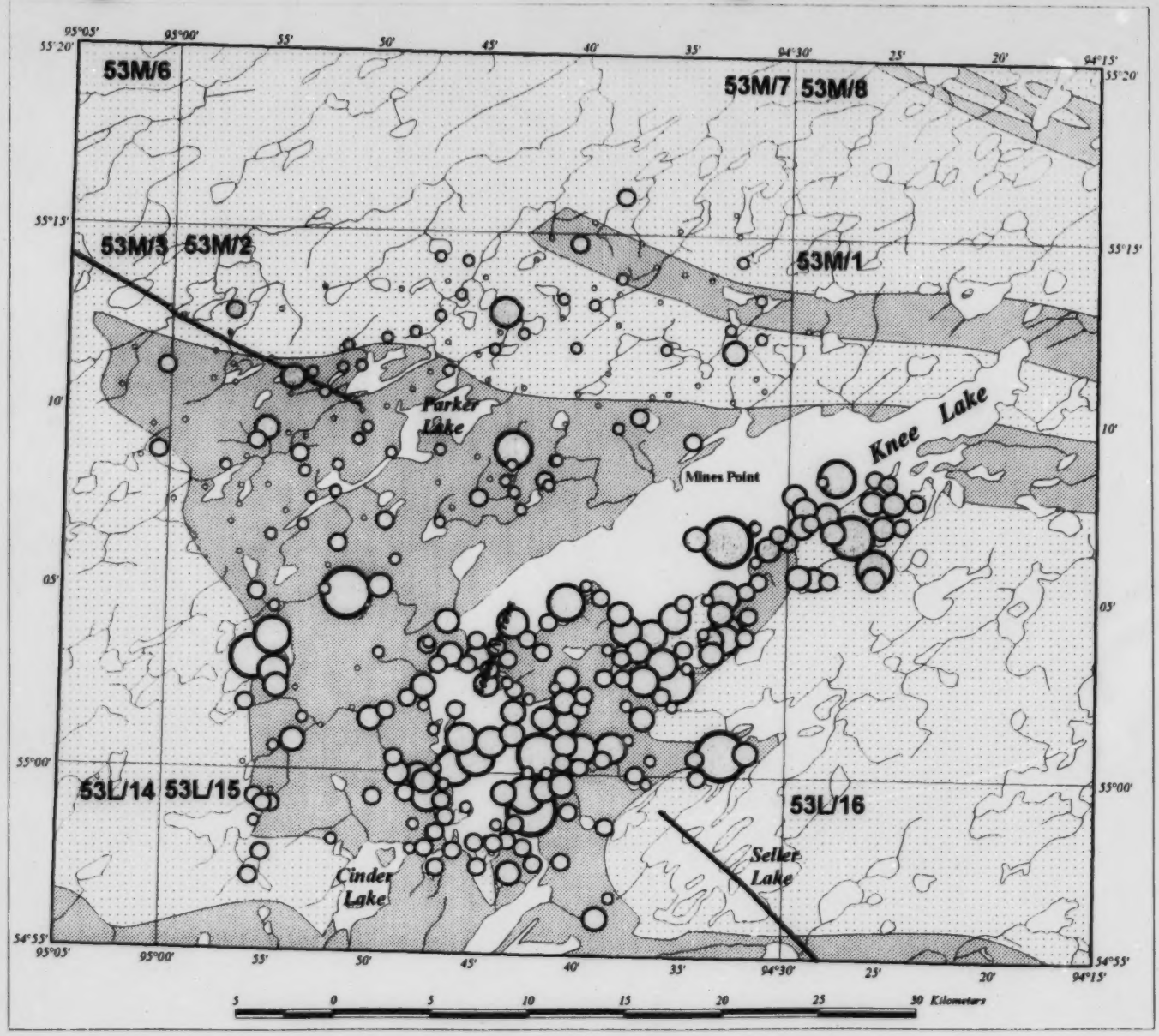
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Mg (ppm)

- >8<=27 (25%tile)
- >28<=37 (50%tile)
- >37<=50 (75%tile)
- >51<=68 (90%tile)
- >69<=78 (95%tile)
- >79<=88 (98%tile)
- >92<=95 (99%tile)
- >98<=138 (100%tile)

B-horizon soil (-60 mesh) 320 samples ICP-OES



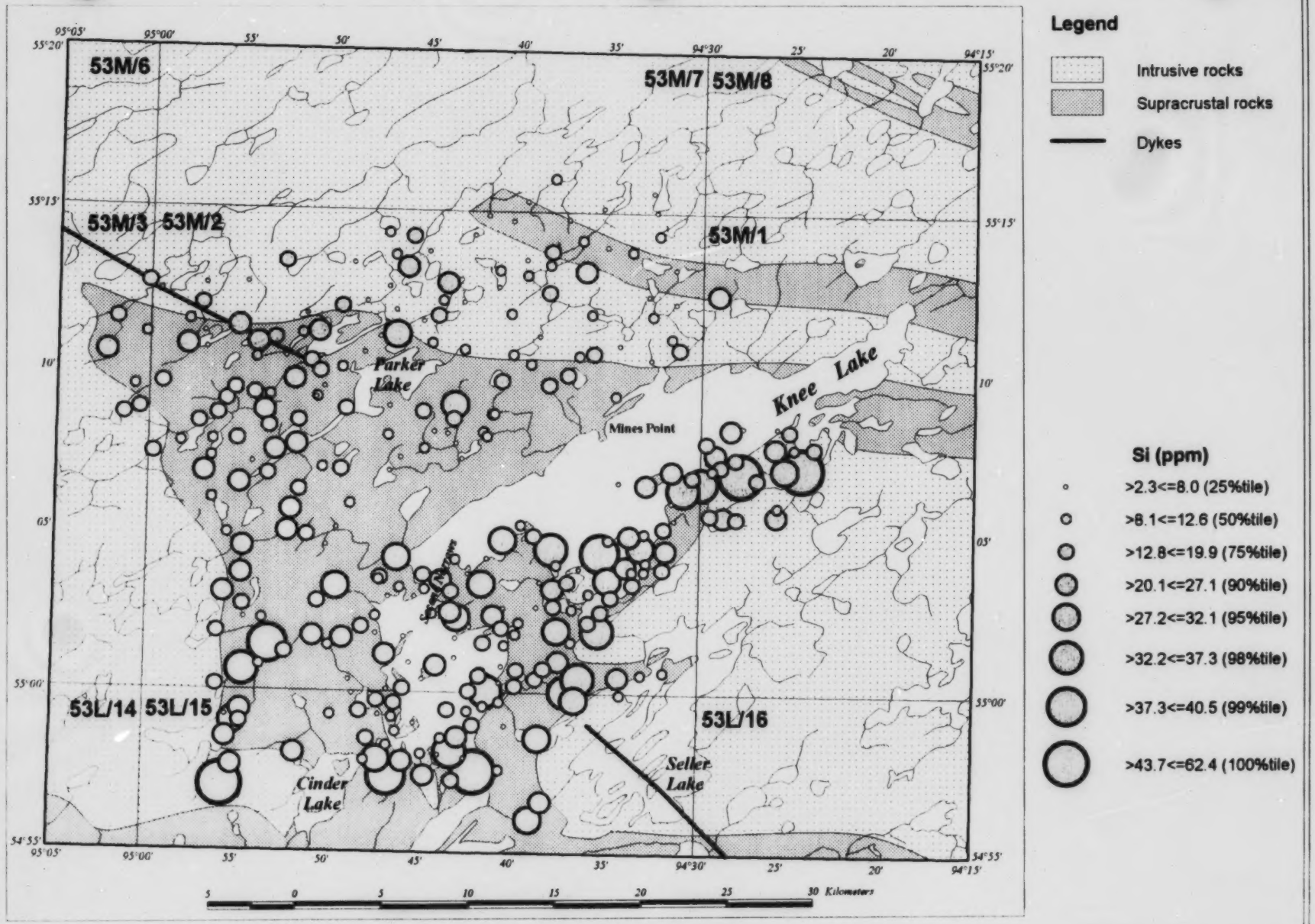
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

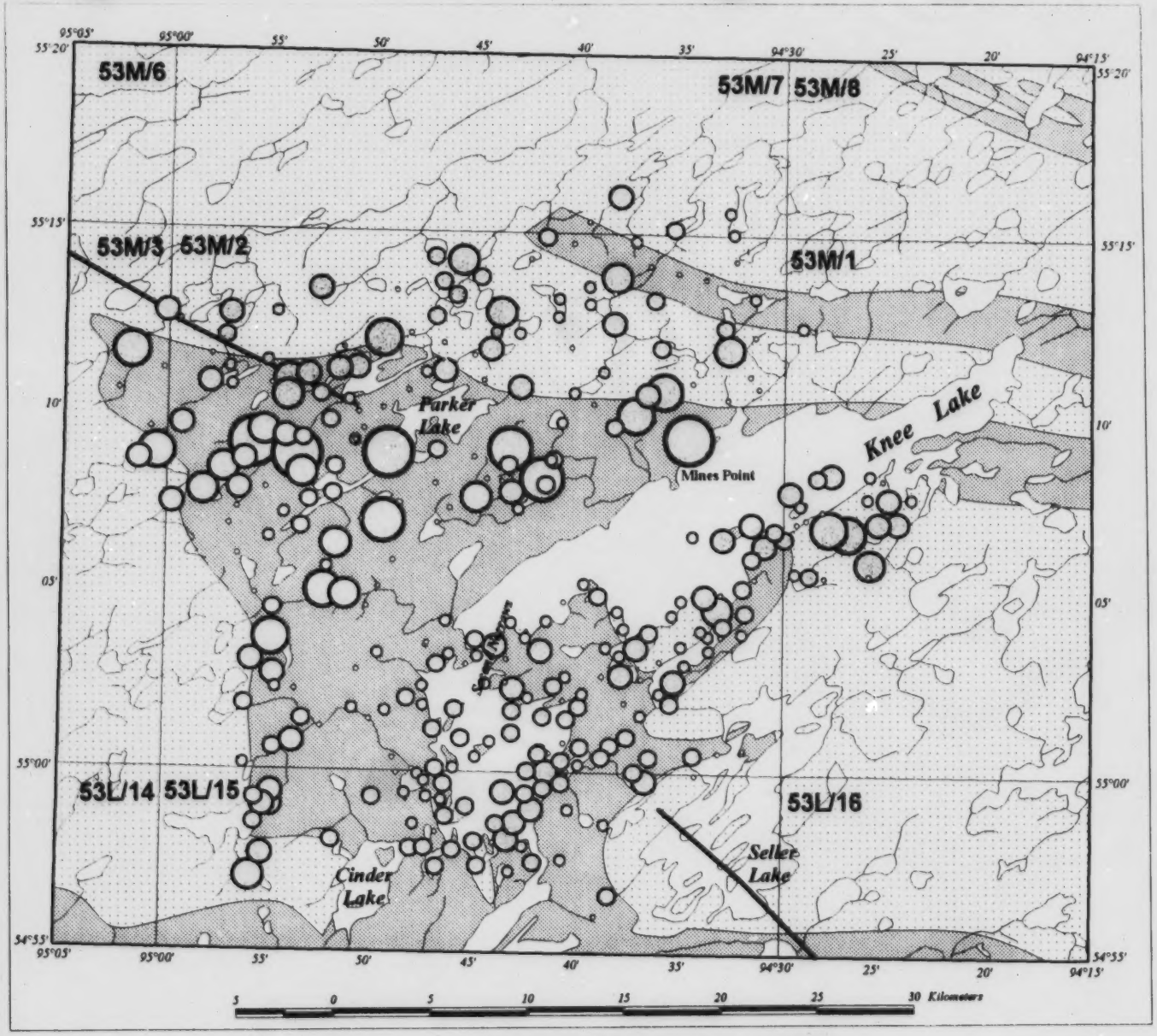
K (ppm)

- >7.5<=7.5 (25%tile)
- >7.5<=16.7 (50%tile)
- >16.7<=24.7 (75%tile)
- >24.9<=33.5 (90%tile)
- >33.7<=39.2 (95%tile)
- >39.9<=45.1 (98%tile)
- >46.6<=47.5 (99%tile)
- >53.9<=63.0 (100%tile)

B-horizon soil (-60 mesh) 320 samples ICP-OES



B-horizon soil (-60 mesh) 320 samples ICP-OES



Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Al (ppm)

- >0.3<=1.3 (25%tile)
- >1.3<=1.9 (50%tile)
- >1.9<=4.2 (75%tile)
- >4.2<=11.2 (90%tile)
- >11.4<=17.2 (95%tile)
- >18.4<=23.5 (98%tile)
- >25.4<=26.7 (99%tile)
- >29.5<=33.2 (100%tile)

B-horizon soil (-60 mesh) 320 samples ICP-OES

HUMUS GEOCHEMICAL SURVEY

Sample collection

Humus samples were collected from beneath the moss mat that was normally removed prior to digging the till sample pit. Where the humus layer was too thin or had become contaminated with inorganic sediment during the course of digging, the sample site was moved to a suitable location 5–10 m away from the till hole. The humus collected from these sites was generally moderately to well humified and had a fine-grained, sooty consistency. Care was taken not to include inorganic material with this sample type. Enough humus was collected to fill a large ZIPLOC freezer bag. At some locations, the humus was a dark brown color and less humified. In burned areas, humus was collected as residual mats from boulders or from low-lying areas or small gullies where the temperatures associated with the fire had not been high enough to ash the humus. Duplicate samples were collected at approximately every fifteenth site.

Sample preparation and analysis

Humus samples were air dried at room temperature on disposable plastic plates in the laboratory of the Manitoba Geological Survey. After drying, the samples were sieved and the -80 mesh size fraction retained. These samples were forwarded to Activation Laboratories Ltd. (Ancaster, Ontario) for INAA and ICP-AES analysis. The ICP-AES analysis at Activation Laboratories Ltd. is based on a four-acid total digestion. A second portion of the -80 mesh humus sample was submitted to the laboratory of the Manitoba Geological Survey for the measurement of pH and conductivity. The pH and conductivity measurements were corrected and converted to H^+ and specific conductance using the formula of Govett (1976) and reproduced with examples in Govett et al. (1984). Geochemical analyses are listed in Appendix H-1 (ICP-AES, H^+, *K* and Hg) and H-4 (INAA). Analyses for duplicate pairs are given in Appendices H-2 (ICP-AES, H^+, *K* and Hg) and H-5 (INAA). Percentile bubble plots are given in Appendices H-3 (ICP-AES, H^+, *K* and Hg) and H-6 (INAA).

Results

Instrumental neutron activation analysis (INAA)

As: Scattered 100th percentiles occur in the 2000 survey area. Northeast of Parker Lake two 100th percentile responses (3.9–13 ppm) are documented from sites 245 and 318. These responses occur over tonalite. Further to the northeast near the northern limits of sampling a 99th percentile (3.6–3.7 ppm) occurs at site 330. Two 100th percentiles occur north of Cinder Lake at sites 174 and 362. A 99th percentile at site 364 occurs northeast of the 100th percentile at site 362. The As signatures are low contrast.

Ba: Barium responses are scattered throughout the survey area without particular focus. A 100th percentile (300–380 ppm) occurs at site 264 directly over a northwest-trending mafic dyke. Three other 100th percentiles are documented from the survey area. These occur at sites 149, 161 and 362. A 98th percentile response (250–270 ppm) occurs at site 153, the Knee Lake Gold Mines base- and precious-metal property.

Br: The northwest portion of the 2000 survey area has significantly higher Br responses than does the southeast area. The 100th percentile responses occur at site 330 (63–340 ppm) over an east-trending greywacke-mudstone unit, at site 259 over tonalite and at site 259 at the contact between mafic volcanic rocks and tonalite. An isolated 100th percentile occurs at site 286 from the western limit of sampling. A single 100th percentile occurs at site 358 and two 99th percentiles (48–60 ppm) are documented from sites 84 and 174.

Ca: Regional variation for Ca is similar to that for Br with elevated Ca in the northwest part of the study area. This includes a cluster of two 100th percentiles (6.2–6.3%) at sites 309 and 352 in association with a single 99th percentile response (6.0–6.2%) at adjacent site 354. These sites are developed over and just south of an east-trending greywacke-mudstone unit at the north limit of sampling. A 99th percentile occurs at site 310 over a granodiorite and another 99th percentile occurs in isolation at site 347 over mafic volcanic rocks. In the southeast two 100th percentiles are recognized at sites 97 (northeast of Cinder Lake) and at site 73 along the southeast shore of Knee Lake.

Co: Low contrast responses are observed in the 2000 survey area. The southeast survey area contains higher Co responses than the northwestern portion of the area. The 100th percentiles occur at adjacent sites 149 and 151 along the southeast shore of northern Knee Lake and at site 28 west of Sellers Lake. A cluster of 99th (8–9 ppm) and 95th (4–5 ppm) percentiles are situated on the southwest side of the large peninsula that juts into northern Knee Lake. A single 100th percentile is documented from the northwestern portion of the area. This response occurs at site 328 over an east-trending greywacke-arenite unit. An isolated 99th percentile occurs at the western edge of the belt at site 348.

Cr: Elevated chrome responses are more or less uniformly distributed in the 2000 survey area. In the northwest isolated 100th percentile responses (38–44 ppm) occur at sites 308 and 326 (both over tonalite). A 99th percentile (30–34 ppm) occurs over tonalite at site 321 and a second isolated 99th percentile is documented from site 348 at the western edge of the belt. A low-contrast response is recognized from four sites over a northwest-trending mafic dyke. The southeast portion of the survey area has a 100th percentile response at sites 362 (north of Cinder Lake) and 28 (west of Sellers Lake).

Cs: Cesium responses are very low in northern Knee Lake belt humus. The 100th percentile responses (2.2–3.5 ppm) in the northwest area occur at sites 321 and 326 over granodiorite bedrock. A 99th percentile response (2.0–2.1 ppm) occurs at site 328 near Mines Point over an east-trending greywacke-arenite. A low-contrast response is noted for three sites over a northwest-trending mafic dyke. In the southeast a 100th percentile (site 149), accompanied by one 98th (1.4–1.8 ppm) and three 95th (1.1–1.3 ppm) occurs northwest of Seller Lake along the southeast shoreline of northern Knee Lake. An isolated 100th percentile response occurs at site 362, north of Cinder Lake.

Fe: Multiple 100th percentiles occur in the 2000 survey area however they all form single-site responses. Sites 326 (granodiorite) and 328 (greywacke-arenite) are marked by 100th percentiles (1.85–3.60%) in the northwest part of the survey area. A low-contrast response is noted for five sites over a northwest-trending mafic dyke. Four 100th percentile responses are documented from isolated sites in the southeast area. Site 161 occurs over granodiorite and sites 46, 174 and 362 are all over mafic volcanic rocks. There are no regional patterns of Fe enrichment or depletion.

Hf: Hafnium contents are low throughout the 2000 survey area with the highest responses located in the northwestern portion of the survey area. A cluster of three 100th percentile responses (4.4–6.1 ppm) occur at sites 217, 251 and 335. This cluster has a north-northeast trend progressing westwards from the east-trending unit of greywacke-arenite (site 251) to the subsequent sites 217 and 335 over mafic volcanic rocks. A 99th percentile (4.0–4.2 ppm) occurs at site 301 near the mafic volcanic-granodiorite contact and another at site 247 (tonalite) There are two 98th percentiles associated with site 247 and these occur at sites 246 and 308. A low-contrast response is noted for four sites over a northwest-trending mafic dyke. In the southeast portion of the survey area a single 100th percentile occurs at site 210, northwest of Cinder Lake. Adjacent site 362 is marked by a 95th percentile (2.3–2.9 ppm). A 99th percentile occurs at site 153, the site of Knee Lake Gold Mines base and precious-metal property. Elsewhere the range of Hf concentrations is 1–8 ppm with the highest response of 8 ppm located at site 10 south of Cinder Lake. Adjacent site 119 is a 99th percentile response with 4 ppm.

Mo: The highest Mo responses are located in the southeastern portion of the survey area. A multisite cluster of 100th percentiles (3.6–28.0 ppm, sites 154 and 168), two 99th percentiles (2.7–3.1 ppm, sites 163 and 164) and three 98th percentile responses (1.9–2.5 ppm, 153, 161 and 167) occurs at the north end of Knee Lake on its southeast shore. This trend includes the Knee Lake Gold Mines property. A second anomalous site occurs on the northern tip of a peninsula that juts into northern Knee Lake. Two 100th percentiles occur at this location. In the northwest survey area a 99th, 98th and 95th percentile cluster occurs at sites 352, 309 and 354 respectively. There is a suggestion of a relationship between a northwestern-trending mafic dyke and multiple 98th and 95th percentile Mo responses in the northwest corner of the area.

Na: There are two main areas of elevated Na responses in the 2000 survey area. Three 100th percentiles (7140–8500 ppm) occur at sites 217, 251 and 335 in the northwest portion of the survey area. These three sites are clustered with a 98th percentile (5480–6470 ppm) over and southwest of an east-trending unit of greywacke and arenite. This unit contains multiple ground EM anomalies. A low-contrast response is noted for four sites over a northwest-trending mafic dyke. A single, isolated Na response occurs at site 153 in the southeast portion of the area. This 100th percentile occurs at the Knee Lake Gold Mines property.

Rb: Elevated Rb responses are scattered over the entirety of the survey area. The 100th percentiles (46–60 ppm) occur at sites 326 over granodiorite, and 348 over mafic volcanic rocks at the western extremity of sampling in the northwest. A cluster of 98th percentile responses (33–40 ppm) occur at sites 219 and 251 in association with a 95th percentile (27–33) at site 217. This anomaly occurs over an east-trending unit of greywacke and arenite. A 99th percentile is present over this same unit near Mines Point. A single 100th percentile occurs at site 142 and a second 100th percentile is present at site 362 in association with a 98th percentile at adjacent site 210. A low-contrast response is noted for four sites over a northwest-trending mafic dyke.

Sb: The Sb concentrations in humus samples collected during the 2000 program are all very low. The 100th percentiles of 0.5 ppm occur at sites 231 near Parker Lake and at sites 60 and 118.

Sc: The Sc contents in humus are of low contrast and form scattered 100th percentile responses throughout the survey area. In the northwest a 100th percentile (6.4–9.2 ppm) occurs at 328 over granodiorite and a 99th percentile response is present at site 348 at the western limits of sampling. A low-contrast response is noted for four sites over a northwest-trending mafic dyke. In the southeast 100th percentiles occur at sites 28, 46 and 362. These three sites are situated over mafic volcanic rocks. Scandium concentrations are more or less uniform in both the northwest and southeast areas.

Sr: Multisite and single-site Sr anomalies occur in the 2000 survey area. The 100th percentiles (180–210 ppm) occur at sites 323 and 330 over an east-trending greywacke and mudstone unit and tonalite, respectively. A three site cluster consisting of a 100th percentile response (site 219), a 98th percentile (130–150 ppm, site 218) and a 95th percentile response (50–120 ppm) at site 251. An isolated 100th percentile occurs at site 335 southwest of the three-site anomaly. A single 100th percentile occurs in the southeast portion of the survey area at site 153, the location of the Knee Lake Gold Mines precious- and base-metal property.

Th: Thorium contents in humus from the 2000 survey are low with a range of 0.3–8.8 ppm. The 100th percentile responses (7.6–8.8 ppm) are documented from sites 321 and 326 over tonalite in the northwest portion of the survey

area. A 99th percentile response (6.8–7.4 ppm) is documented from site 328 over an east-trending unit of greywacke and arenite near Mines Point. A northwest trending mafic dyke is marked by four low-contrast responses comprising two 98th, one 95th and one 90th percentiles with a range of 2.9–5.8 ppm. In the southeast 100th percentiles are documented from sites 142 and 161 with 99th percentile responses at site 28 (6.8–7.4 ppm). The 100th percentile at site 362 is associated with a 98th percentile response at adjacent site 210.

U: Uranium contents in humus from the 2000 survey are of low to moderate contrast. Higher U concentrations are noted from the northwest portion of the survey area. Sites 304 and 324 have 100th percentile responses were collected over an east-trending greywacke-mudstone unit. Multiple 99th–90th percentile responses are noted from sites over granodiorite between the greywacke-mudstone unit and the northern edge of the mafic volcanic rocks in the Knee Lake greenstone belt. In the southeast, adjacent sites 85 and 148 are marked by 100th percentile responses in an area of mafic volcanic rocks.

Zn: Significant Zn responses are present in the southeast portion of the 2000 survey area. A multisite response consisting of a 100th percentile (76–110 ppm) at site 10, a 99th percentile (68–69 ppm) at site 11, and a 95th percentile response (35–47 ppm) at site 9 are associated with a north-trending felsic volcanic unit east of Cinder Lake. This rock unit was the site of multiple anomalous geochemical responses in many sampling media during the 1999 survey in the southern half of the Knee Lake greenstone belt. West of Cinder Lake near the mafic volcanic-granodiorite contact is a 100th percentile response at site 4. A single-site anomaly consisting of a 100th percentile response is documented from the Second Narrows area and at site 148. A low-contrast response is noted for five sites over a northwest-trending mafic dyke.

TREE: Geochemical responses for TREE in the Knee Lake Belt are highest in the southeastern portion of the survey area. Nevertheless, a 100th percentile response (134–184 ppm) occurs at site 326 over tonalite and at site 220 over an east-trending unit of greywacke and arenite. A significant cluster of two 100th percentile responses (sites 28 and 98), one 99th percentile (site 90, 114–125 ppm) and a single 90th percentile (site 91, 42–60 ppm) occur over metasedimentary gneiss in the southern portion of the sampling area. Multiple ground EM and magnetic anomalies have been identified in this area. A low-contrast response is noted for two sites over a northwest-trending mafic dyke.

Hydrogen Ion (H^+)

H^+: Three 100th percentiles occur at sites 160 (pyritic and silicified basalt), 157 (basalt with nonmineralized quartz-carbonate veins), 175 (Second Narrows area, no outcrop) and at 117 (Mg-Fe chlorite altered basalt). There is a marked

increase in the hydrogen ion concentrations in humus collected from the southeast portion of the northern Knee Lake belt as compared to the southwest portion of the belt.

Specific conductance *K* (water-extractable metal)

K: A cluster of 100th to 98th percentile specific conductance responses occur east of Cinder Lake in a thin unit of felsic volcanic rocks and metasedimentary gneiss with oxide-facies iron formation. An isolated single 100th percentile occurs at site 6 northwest of Cinder Lake. The rocks in this area are granitic intrusions with 1% disseminated pyrite localized along fine chloritic fractures. A 100th percentile response of 54–82 is noted from the general area of the Knee Lake and Johnson Knee Lake gold deposit.

Flow-injection mercury system (FIMS)

Hg: The southeast portion of the 2000 survey area is marked by significant high-contrast responses and overall contains higher Hg in humus than does the northwest survey area. Three 100th percentile responses (329–397 ppb) occur on islands in the northern end of Knee Lake (sites 159, 160 and 166). A single 100th percentile occurs at sites 116 and 118 and a 99th percentile (285–307 ppb) and two 98th percentiles (213–261 ppb) occur at the Second Narrows. There are no significant Hg responses in the northwest portion of the survey area.

Inductively coupled plasma–atomic emission spectrometry (ICP-AES)

Cd: Cadmium responses in the 2000 survey area are low, with a range in concentration of 1.5–2.4 ppm for the 100th percentile. Generally, higher Hg was obtained from samples collected in the southeast portion of the survey area. Two 100th percentiles are documented from adjacent sites 149 and 151. At site 151 a dark green weathering, dense, medium grained gabbro was exposed. Locally, the gabbro is crosscut by fine, rusty weathered fractures. Visible sulphide minerals were not observed. An isolated 100th percentile response occurs at site 3 near the western edge of the belt and west of Cinder Lake. Two 99th percentiles occur at sites 33 and 108. A single 100th percentile occurs at site 214 in association with a 98th percentile response (1.1–1.2 ppm) at adjacent site 213.

Cu: Low- to moderate-contrast Cu anomalies are identified in several localities in the southeast portion of the 2000 survey area. Significant Cu responses are absent from the northwest portion of the survey area. The 100th percentile responses (41–94 ppm) occur at site 151, where elevated Cd was documented, at sites 128 and 132 on the peninsula that juts into Knee Lake, and from site 28 in an area of abundant ground EM conductors. Two 99th percentiles occur at adjacent sites 110 and 173 just north of the mapped termination of a north-trending felsic volcanic unit. A 99th (37–39 ppm) percentile response occurs at site 362 and is associated with a 98th percentile (23–30 ppm) at adjacent site 210.

Mn: The majority of elevated Mn responses occur in the southeast portion of the survey area. The 100th percentile responses (1461–8871 ppm) occur at sites 84, 149 and 350. Site 84 is associated with a felsic volcanic unit. Several isolated 99th percentile responses (1309–1345 ppm) were also documented. These occur at sites 70, 107 and 168. In the northwest a single 100th percentile response is documented from site 318 at or near the greenstone belt margin

Mo: Two clusters of significant Mo responses are documented from the southeast survey area. The first is located at the northeast limit of sampling and comprises three 100th percentile responses (5–35 ppm, sites 154, 164 and 168) and one 99th percentile (4–5 ppm, site 167). This anomaly encompasses the area of Knee Lake Gold Mines precious- and base-metal property. The second anomalous site occurs on the northern tip of the peninsula that juts into Knee Lake. Two 100th percentile responses occur at sites 130 and 131 in association with a 99th percentile at site 70. In the northwest portion of the survey area two low-contrast 95th percentile responses (2–3 ppm) occur at sites 290 and 340, over a northwest-trending mafic dyke.

Ni: Low- to moderate-contrast Ni responses were obtained from the 2000 survey area. In the northwest two isolated 100th percentile responses were documented. These occur at sites 328 near the mafic volcanic-tonalite contact and at site 231 near Parker Lake. In the southeast two 100th percentiles occur at sites 28 and 61. Three 99th percentiles occur at sites 142, 161 and 362. All significant Ni responses occur as single isolated responses.

Pb: Low- to moderate-contrast Pb responses were obtained from both the northwest and the southeast portions of the survey area. Four main areas of anomalous response occur in the southeast. A 100th percentile response (26–39 ppm) and two 98th percentile responses (20–23 ppm) occur at sites 149, 146 and 151, respectively. Southwest of this cluster two 100th percentiles occur at adjacent sites 60 and 69 in association with a 98th percentile at site 48. Site 60 is characterized by rusty weathering basalt with 1% disseminated pyrite. The Second Narrows area is marked by a couple of 99th percentile responses (23–25 ppm) at sites 107 and 211. This area has been the focus of recent precious-metal exploration. The northwest survey area has no 100th percentile responses. A single 99th percentile occurs at site 256 over an east-trending greywacke-mudstone unit.

Zn: There are four 100th percentile responses 87–125 ppm) in the southeast portion of the survey area. The first occurs at site 148 in association with three 98th percentiles (52–74 ppm) 142, 146 and 149. Two 100th percentiles occur at site 107 at the Second Narrows and at site 44. East of site 44, near Sellers Lake, there is a 99th percentile response (75–86 ppm). A 100th percentile response occurs west of Cinder Lake at site 4 over granodiorite. A cluster of moderate- to low-contrast anomalous responses is documented from an area just east of Cinder Lake. At this location there is a single 99th percentile response at site 10, two 98th percentiles at sites 9 and 11, and a 95th percentile at site 96. All of these

responses occur over or at the mapped termination of a felsic volcanic unit that was the focus of multiple anomalous geochemical signatures from the 1999 survey. There are no 100th percentile responses in the northwest portion of the survey area. A 99th percentile and a 98th percentile response is documented from adjacent sites 300 and 261, respectively.

S: The 100th percentile responses (0.317–0.335%) occur at sites 159, 127 and 363 in the southeast survey area. There is no outcrop in any of these three areas. There is no correspondence between S contents in humus and sites with elevated base-metal contents. A 99th percentile (0.273–0.31%) occurs at site 17 in an area of abundant ground EM and magnetic responses. In the northwest area a single 100th percentile response is recorded from site 352 over an east-trending unit of greywacke and mudstone. A 99th percentile occurs at site 286 near the western edge of the greenstone belt.

Sr: Strontium responses are higher in the northwest portion of the 2000 survey area. Two 100th percentile responses (138–180 ppm) occur at sites 330 (over greywacke-mudstone) and 323 (over tonalite). Further to the south of site 323 is a 99th percentile at site 301. A cluster of three sites occurs over and to the south of an east-trending unit of greywacke and arenite. This cluster comprises a 100th percentile (site 217), and two 98th percentiles (113–129 ppm, sites 218 and 251). This rock type is associated with numerous ground EM conductors in the Mines Point area. A single 99th percentile occurs over a northwest-trending mafic dyke at site 264. In the southeast 100th percentiles occur at site 120 and also at site 80.

Ti: The northern Knee Lake belt is marked by low-contrast Ti responses in humus. The 100th percentile has a range in concentration of 0.17–0.20%. The 100th percentiles in the southeast area occur at sites 161 (tonalite), 46 (mafic volcanic rocks) and at adjacent sites 210 and 362. In the northwest there are no 100th percentile responses but 99th percentiles (0.15–0.17%) occur at site 248 (tonalite), 301 (near the mafic volcanic-tonalite contact) and at site 251 over an east-trending unit of greywacke and arenite. A northwest-trending mafic dyke is marked by two 98th percentile responses (0.14–0.15%) at sites 264 and 280.

V: The southeast portion of the survey area is marked by 100th percentiles (41–66 ppm) at sites 46, 161 and 362. These responses are isolated single-site anomalies. A 98th percentile (26–33 ppm) occurs at site 210, adjacent to site 362. A single 100th percentile response occurs at site 326 in tonalite terrain, but just north of the contact with mafic volcanic rocks. A 95th percentile response (22–25 ppm) occurs at site 280 over a northwest-trending mafic dyke.

Y: The distribution of 100th percentiles in the 2000 survey area is directly related to the presence of sedimentary rocks, high-strain zones and mafic dykes. In the northwest a 100th percentile (14–17 ppm) occurs at site 220 (greywacke)

and two 99th percentiles (13–14 ppm; sites 306 and 321) are situated at or near the contact between mafic volcanic rocks to the south and tonalite to the north. This contact represents a rheologic boundary and as such could be a zone of high strain. In the southeast a 100th percentile (site 28) and a 99th percentile (site 98) occur over metasedimentary gneiss. Additional 100th percentiles are situated over tonalite at site 161 and at the northwest end of a mafic dyke at site 40.

Ca: Calcium contents are highest in the southeast and occur as a string of 100th (6.31–6.79%) and 99th percentiles (6.21–6.25%) along the southeast shore of northern Knee Lake. This includes sites 49, 73, 85, 101 and 99. An isolated 99th percentile occurs at site 54 in the northern part of Semmens Lake.

P: There are two main areas of P enrichment in vegetation. Both of these occur in the southeast portion of the survey area. The first of these is situated along the southeast shore of northern Knee Lake and extends from site 162 at the eastern limits of sampling to site 149 for a total distance of approximately 10 km. The second area occurs over a felsic volcanic unit east of Cinder Lake. This unit hosts massive sulphide type mineralization. Site 11 is a 100th percentile response (0.13–0.21%) and site 10 is a 99th percentile (0.13%). A 98th percentile (0.11–0.13%) also occurs in the vicinity of the felsic volcanic unit at site 96. A single 100th percentile occurs at site 224 over a 'U'-shaped unit of greywacke in the northwest.

Mg: Magnesium contents are elevated in the northwest portion of the survey area particularly north of Parker Lake and predominantly over intrusive rocks. A 100th percentile (0.82–1.08%) occurs at site 326 at the contact between mafic volcanic rocks and tonalite intrusions. In the southeast 100th percentiles occur at sites 120 and 122 and at site 226. Site 226 is northwest of the Second Narrows along a northwest-trending structure that is mineralized with Au and lesser base metals at selected locations long its extent.

Al: Elevated aluminum concentrations are scattered across the 2000 survey area. Two 100th percentiles (3.35–3.62%) occur at sites 301 and 326 at or near the contact between mafic volcanic rocks to the south and tonalite to the north. This geochemical response could be related to the presence of hydrated phyllosilicate minerals in a high-strain zone developed at a rheologic boundary. A 100th percentile occurs at site 217 south of a unit of greywacke southeast of Parker Lake. A two-site anomaly occurs north of Cinder Lake at sites 362 (100th percentile) and 210 (99th percentile; 2.96–3.07%) and a 100th percentile occurs at site 161 at the eastern limits of sampling.

K: The northwest portion of the survey area is characterized by generally higher K contents than the southeast. Elevated K is noted at sites 246 (100th percentile; 1.03–1.07%) over tonalite, 264 (100th percentile) over a northwest-trending mafic dyke and at site 217 (100th percentile) just south of a unit of greywacke that extends southeast from Parker

Lake. Two 99th percentile responses (0.98–0.99%) occur at sites 301 and 326 at or near a volcanic-intrusive contact. Elevated Al and Y were also noted at these sites. In the southeast a single 100th percentile is noted from site 120.

Synthesis

The northern portion of the Knee Lake greenstone belt is characterized by metallogenically significant structures and lithological units. Stratigraphic sequences interpreted to be highly prospective for massive-sulphide–type deposits are also present and have been demonstrated to host this style of mineral deposit, albeit with low base- and precious-metal contents. Each of these features has been delineated by a distinctive suite of elements elevated in humus.

The Au-Ag–base-metal property at Knee Lake Gold Mines and Johnson Knee Lake Gold Mines (site 153) is marked by significantly elevated Mo in humus. This multisite anomaly is developed over tonalite as well as the adjacent mafic volcanic rocks that characterize the area of the mineralization. A north-trending felsic volcanic unit was identified in the 1999 survey of the southern Knee Lake belt as anomalous in base and precious metals for a variety of sample media. In this year's survey, the same unit is identified by elevated Zn in humus. This unit occurs east of Cinder Lake and has been previously explored and diamond-drilled on the basis of multiple ground EM conductors. Although low base- and precious-metals were intersected, this unit appears to be anomalous based on multimedia geochemical signatures. Multiple 100th and lesser percentile responses for Ca and P are documented from sites along the southeast shore of the northern portion of the belt. These anomalies parallel the shore of Knee Lake and may be reflecting alteration along the structure that controls the shape of Knee Lake. Alternatively, these anomalies may be reflecting a fundamental chemical difference between the soils upon which vegetation is growing and subsequently contributing organic material that decomposes and eventually becomes humus. This chemical difference in the soils from either side of northern Knee Lake has been documented from other sample media in the 2000 survey and will be discussed more fully in the synopsis of this report. Bedrock structure is also indicated by geochemical data from humus collected along the northern belt margin. Previous surveys have documented elevated concentrations of Al, K and Mg in humus at belt margins, which was attributed to the presence of high-strain zones and attendant alteration along these structures. Structurally controlled precious-metal mineralization was the focus of efforts by K & K Consulting at the Second Narrows. In the 2000 humus survey, this area was marked by elevated Hg, Mo, Pb, Zn and Mg. The lakeshore at the Second Narrows is aligned with a northwest-trending structure mapped at Sellers Lake and suggests a structural control to the alteration and mineralization at the Second Narrows.

Conclusions

The results of this humus geochemical survey in the northern Knee Lake greenstone belt indicate the following:

1) Humus geochemical surveys undertaken at approximately 1 km sample spacing have successfully delineated areas of high-contrast, multisite, base- and precious-metal anomalies as well as elements indicative of structure and unique rock types worthy of follow-up.

2) Northwest-trending structures are identified as metallogenically significant, as evidenced by previous exploration work at the Second Narrows and associated humus geochemical anomalies.

3) Humus geochemical anomalies over a felsic volcanic unit that hosts massive-sulphide–type mineralization in the area east of Cinder Lake attest to the ability of humus geochemical surveys to identify areas of base-metal potential.

4) The Y, V and TREE humus signatures of metasedimentary gneiss and greywacke-arenite units that contain multiple ground EM conductors are unique and provide a potential geochemical mapping tool for these rocks.

ICP-AES, H^+, *K* and Hg Analyses.

SampleSite	UTM		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	Be	Bi	Ca	K	Mg	P	Sr
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm
2000H-1	376811.59	6095036.00	0.15	0.43	9	179	0.5	3.9	5.8	7	0.50	0.50	1	5.83	0.12	0.23	0.062	56
2000H-2	377219.03	6094650.00	0.15	0.50	5	77	0.5	8.2	8.6	24	0.47	0.50	1	0.49	0.24	0.08	0.064	22
2000H-3	376792.44	6093754.00	0.15	1.45	11	216	0.5	8.7	16.1	22	0.41	0.50	1	2.21	0.18	0.20	0.084	35
2000H-4	377113.03	6092150.50	0.15	0.87	9	221	0.5	5.7	6.7	123	0.25	0.50	1	2.00	0.16	0.17	0.089	32
2000H-5	376519.25	6090956.50	0.15	0.80	7	209	0.5	9.5	21.6	44	0.81	0.50	1	0.29	0.35	0.10	0.085	35
2000H-6	380742.38	6092790.50	0.15	0.61	8	277	1.2	5.2	3.8	59	0.28	0.50	1	1.32	0.24	0.13	0.092	27
2000H-7	380452.84	6090959.50	0.15	0.15	4	44	0.5	1.3	1.5	9	0.36	0.50	1	4.59	0.08	0.22	0.045	58
2000H-8	384794.28	6092294.50	0.15	1.03	17	299	1.2	11.3	9.7	19	1.76	0.50	1	5.14	0.58	0.48	0.061	89
2000H-9	384964.69	6093535.50	0.15	0.72	8	187	1.2	6.1	9.4	60	0.56	0.50	1	1.23	0.25	0.16	0.074	25
2000H-10	386124.94	6091321.50	0.15	0.64	9	366	0.5	10.4	15.6	86	0.73	0.50	1	1.81	0.44	0.22	0.130	43
2000H-11	385538.47	6092322.50	0.15	1.06	7	271	0.5	10.0	6.7	74	0.40	0.50	1	1.34	0.29	0.14	0.129	27
2000H-12	386406.75	6094751.50	0.15	0.69	13	340	1.7	9.4	10.0	17	1.73	0.50	1	4.49	0.68	0.62	0.076	85
2000H-13	382872.97	6094968.00	0.15	0.70	22	481	1.7	11.7	15.5	22	0.87	0.50	1	3.66	0.27	0.36	0.083	45
2000H-14-1 Field Duplicate	384536.25	6095146.50	0.15	0.94	5	157	0.5	3.4	10.4	21	0.34	0.50	1	1.32	0.15	0.14	0.062	18
2000H-14-2 Field Duplicate	384536.25	6095146.50	0.15	0.65	5	153	0.5	4.0	11.9	20	0.27	0.50	1	1.29	0.15	0.14	0.061	18
2000H-15	385545.63	6095757.00	0.15	1.17	11	47	0.5	9.2	18.0	21	1.08	0.50	1	0.60	0.38	0.13	0.079	39
2000H-16-1 Analytical Duplicate	389243.59	6093479.00	0.15	0.53	5	57	0.5	4.8	3.3	37	0.19	0.50	1	0.18	0.16	0.05	0.086	23
2000H-16-2 Analytical Duplicate	389243.59	6093479.00	0.15	0.79	5	92	0.5	5.1	8.3	23	0.32	0.50	1	0.27	0.18	0.06	0.073	16
2000H-17	388099.72	6092595.00	0.15	0.49	5	38	1.2	4.2	10.4	9	0.30	0.50	1	2.76	0.12	0.22	0.081	38
2000H-18	386987.81	6092178.00	0.15	1.13	7	59	0.5	7.4	14.8	33	0.55	0.50	1	0.76	0.20	0.12	0.056	25
2000H-24	389871.75	6091013.50	0.15	0.89	12	230	0.5	7.3	7.6	20	1.01	0.50	1	5.04	0.33	0.40	0.053	70
2000H-25	388257.63	6091353.50	0.15	0.57	13	287	1.2	10.0	3.3	21	1.18	0.50	1	4.24	0.33	0.42	0.055	68
2000H-27	387695.53	6094386.00	0.15	0.33	14	248	1.7	6.8	4.3	13	0.92	0.50	1	2.92	0.26	0.32	0.073	49
2000H-28	392562.69	6091566.00	0.15	0.15	94	550	1.3	25.7	1.5	17	3.07	0.50	1	3.91	0.58	0.40	0.069	86
2000H-29	392950.53	6094153.50	0.15	0.35	5	17	1.4	1.6	1.5	12	0.19	0.50	1	2.96	0.05	0.16	0.037	28
2000H-30	387156.56	6099410.50	0.15	0.55	7	28	0.5	2.2	1.5	8	0.34	0.50	1	3.70	0.11	0.20	0.049	36
2000H-31	386046.34	6098399.00	0.15	0.67	6	110	0.5	9.1	10.1	25	0.61	0.50	1	0.42	0.26	0.09	0.085	27
2000H-33	387468.13	6097904.00	0.15	1.38	9	251	1.1	5.0	22.7	61	0.98	0.50	1	0.97	0.37	0.12	0.064	46
2000H-34-1 Field Duplicate	387794.94	6101729.00	0.15	0.37	21	315	0.5	8.6	6.2	11	1.39	0.50	1	4.88	0.38	0.36	0.101	78
2000H-34-2 Field Duplicate	387794.94	6101729.00	0.15	0.53	20	304	1.8	7.9	1.5	11	1.28	0.50	1	4.67	0.35	0.34	0.097	74
2000H-35-1 Analytical Duplicate	386267.97	6101746.50	0.15	0.15	9	129	0.5	7.3	6.1	16	2.65	0.50	1	2.13	1.12	0.36	0.036	131
2000H-35-2 Analytical Duplicate	386267.97	6101746.50	0.15	0.15	10	126	1.3	4.9	3.7	9	1.26	0.50	1	3.89	0.36	0.31	0.054	66
2000H-36	385510.63	6100612.00	0.15	0.46	8	155	0.5	5.1	12.3	31	0.87	0.50	1	4.13	0.20	0.37	0.064	58
2000H-37	394285.81	6088654.00	0.15	0.40	11	214	1.5	7.3	3.5	22	1.08	0.50	1	4.71	0.28	0.33	0.046	85
2000H-38	394987.06	6089686.50	0.15	0.80	5	54	0.5	3.9	8.2	23	0.38	0.50	1	1.29	0.18	0.17	0.061	37
2000H-39	394829.91	6093366.00	0.15	0.15	10	39	2.5	5.1	1.5	8	0.63	0.50	1	4.44	0.15	0.35	0.053	91
2000H-40	396930.69	6095529.50	0.15	0.87	19	401	0.5	14.0	9.7	14	1.03	0.50	1	2.02	0.28	0.22	0.047	47
2000H-41	397175.34	6096765.50	0.15	0.62	6	254	0.5	5.7	10.9	44	0.37	0.50	1	1.17	0.25	0.11	0.071	32
2000H-42	392622.44	6095510.50	0.15	0.50	38	342	1.3	13.4	1.5	11	1.24	0.50	1	6.04	0.46	0.51	0.056	104
2000H-43	399444.06	6096834.00	0.15	0.95	7	186	1.0	5.3	9.1	25	0.40	0.50	1	3.58	0.18	0.33	0.067	67
2000H-44	396369.22	6096019.00	0.15	0.93	14	173	0.5	10.6	19.3	87	0.72	0.50	1	0.45	0.24	0.14	0.084	25
2000H-45	395159.84	6097386.00	0.15	0.77	30	134	1.7	8.0	1.5	7	0.42	0.50	1	5.61	0.12	0.32	0.062	61

SampleSite	UTM		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	Be	Bi	Ca	K	Mg	P	Sr
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm
2000H-46	396015.28	6097819.50	0.15	0.15	30	269	0.5	16.4	10.8	35	1.99	0.50	1	1.28	0.41	0.65	0.086	58
2000H-47	396755.06	6098921.50	0.15	0.60	6	378	1.8	5.1	15.4	30	0.39	0.50	1	3.75	0.17	0.24	0.066	48
2000H-48	395938.59	6099589.00	0.15	0.49	13	269	0.5	11.0	20.6	26	1.48	0.50	1	3.66	0.47	0.49	0.048	105
2000H-49	396828.66	6100814.00	0.15	0.35	16	318	1.5	7.2	1.5	8	0.60	0.50	1	6.31	0.21	0.39	0.065	86
2000H-50	394790.84	6100997.50	0.15	0.67	10	311	1.3	6.6	8.3	18	0.86	0.50	1	6.03	0.36	0.47	0.075	75
2000H-51	393755.47	6100100.50	0.15	1.22	14	754	1.1	11.3	10.5	28	1.32	0.50	1	3.01	0.49	0.37	0.075	75
2000H-52	400768.63	6096955.50	0.15	1.14	17	292	1.3	10.0	9.0	81	1.43	0.50	1	1.52	0.49	0.29	0.061	88
2000H-53-1 Analytical Duplicate	399544.66	6095816.50	0.15	0.74	12	484	1.7	10.5	18.6	21	1.29	0.50	1	2.34	0.46	0.26	0.054	64
2000H-53-2 Analytical Duplicate	399544.66	6095816.50	0.15	0.76	13	377	0.5	10.5	16.1	18	1.46	0.50	1	2.73	0.51	0.25	0.049	73
2000H-54	402068.50	6097093.50	0.15	0.15	14	156	2.0	8.6	1.5	7	0.65	0.50	1	6.21	0.18	0.45	0.064	84
2000H-55-1 Field Duplicate	390952.91	6099942.50	0.15	0.15	10	240	1.2	5.1	1.5	9	1.02	0.50	1	5.78	0.38	0.33	0.053	88
2000H-55-2 Field Duplicate	390952.91	6099942.50	0.15	0.35	11	245	0.5	5.3	8.6	10	1.04	0.50	1	5.97	0.39	0.34	0.056	90
2000H-56	397265.06	6103193.00	0.15	0.15	8	154	1.6	4.5	1.5	9	1.03	0.50	1	5.28	0.41	0.38	0.051	91
2000H-57	395006.56	6102457.50	0.15	0.71	12	246	0.5	4.3	6.0	11	0.89	0.50	1	3.64	0.32	0.33	0.044	59
2000H-58	395716.94	6102027.50	0.15	0.15	3	43	0.5	2.7	7.0	20	0.23	0.50	1	0.42	0.09	0.06	0.039	16
2000H-59	392717.81	6102608.00	0.15	0.15	4	39	1.4	1.8	1.5	21	0.17	0.50	1	1.54	0.04	0.11	0.068	30
2000H-60	395773.38	6101007.00	0.15	0.52	7	200	0.5	9.4	30.1	28	0.92	0.50	1	0.84	0.33	0.13	0.069	37
2000H-61	392900.03	6100991.00	0.15	0.15	18	729	1.1	37.0	4.3	21	1.92	0.50	1	4.25	0.73	0.50	0.066	101
2000H-62	389885.03	6101959.00	0.15	0.44	21	410	2.5	9.2	1.5	14	2.15	0.50	1	4.55	0.84	0.40	0.061	118
2000H-63	391621.97	6102347.50	0.15	0.44	13	97	0.5	8.2	3.3	12	0.95	0.50	1	5.26	0.24	0.35	0.047	81
2000H-64	392280.47	6100523.00	0.15	0.94	27	609	1.7	9.2	1.5	15	0.59	0.50	1	4.25	0.15	0.27	0.064	62
2000H-65	393553.56	6099419.00	0.15	0.48	7	302	2.0	6.7	5.9	13	0.29	0.50	1	2.90	0.11	0.17	0.062	33
2000H-66	394714.06	6096812.00	0.15	0.34	8	205	1.5	4.8	5.1	15	0.37	0.50	1	5.60	0.14	0.34	0.069	73
2000H-67	397742.78	6100050.50	0.15	0.15	4	48	0.5	5.4	12.4	19	0.56	0.50	1	0.28	0.20	0.06	0.040	27
2000H-68	399084.13	6101491.00	0.15	0.43	4	25	0.5	2.7	12.1	22	0.31	0.50	1	0.45	0.15	0.05	0.051	17
2000H-69-1 Field Duplicate	398290.31	6099503.50	0.15	0.66	12	93	2.0	11.5	23.9	27	1.08	0.50	1	0.99	0.38	0.16	0.065	45
2000H-69-1 Analytical Duplicate	398290.31	6099503.50	0.15	0.79	11	80	0.5	10.0	24.7	24	0.91	0.50	1	1.04	0.31	0.14	0.055	38
2000H-69-2 Field Duplicate	398290.31	6099503.50	0.15	0.90	12	86	1.4	10.9	27.9	25	1.00	0.50	1	0.97	0.35	0.14	0.059	44
2000H-70	393255.56	6103846.50	0.15	0.45	9	1309	3.7	3.3	4.7	29	0.22	0.50	1	3.54	0.08	0.28	0.067	45
2000H-71	399944.16	6103230.00	0.15	0.15	10	288	0.5	7.2	17.4	18	0.58	0.50	1	3.40	0.20	0.33	0.080	60
2000H-72	402259.69	6104161.50	0.15	0.82	7	296	1.6	3.0	3.6	18	0.35	0.50	1	6.18	0.10	0.32	0.070	74
2000H-73	402783.03	6105930.50	0.15	0.32	6	264	1.2	2.0	1.5	4	0.26	0.50	1	6.47	0.07	0.29	0.061	70
2000H-74	404843.22	6106167.00	0.15	0.40	5	59	0.5	1.9	1.5	7	0.56	0.50	1	5.75	0.17	0.31	0.057	64
2000H-75	404345.91	6107971.00	0.15	0.63	14	315	2.0	11.5	7.8	51	1.07	0.50	1	4.10	0.34	0.40	0.076	108
2000H-76-1 Analytical Duplicate	405489.13	6108952.50	0.15	0.65	17	420	3.1	10.7	16.8	22	1.36	0.50	1	3.66	0.49	0.39	0.076	80
2000H-76-2 Analytical Duplicate	405489.13	6108952.50	0.15	0.79	10	452	1.8	10.9	7.1	26	2.13	0.50	1	3.73	0.73	0.48	0.066	107
2000H-77	407618.00	6108196.00	0.15	0.80	4	25	2.5	1.8	3.8	17	0.28	0.50	1	1.97	0.10	0.19	0.050	41
2000H-78	409199.56	6108708.50	0.15	0.15	11	46	0.5	11.2	5.9	29	1.67	0.50	1	1.79	0.39	0.25	0.076	78
2000H-79	408686.88	6110003.50	0.15	0.15	8	75	0.5	5.3	1.5	7	0.95	0.50	1	3.92	0.24	0.32	0.059	81
2000H-80	409780.19	6109958.00	0.15	0.70	15	81	2.0	7.4	15.8	31	1.04	0.50	1	1.89	0.34	0.24	0.066	136
2000H-81	410936.50	6109974.50	0.15	0.37	14	194	2.6	8.1	1.5	13	1.38	0.50	1	4.31	0.33	0.27	0.060	90
2000H-82	410200.44	6108716.00	0.15	0.78	13	209	1.5	9.6	9.1	25	1.40	0.50	1	2.33	0.45	0.27	0.048	73
2000H-83	408701.53	6106066.50	0.15	0.15	5	72	1.2	2.1	1.5	8	0.27	0.50	1	4.98	0.09	0.37	0.046	72
2000H-84	393512.25	6096425.00	0.15	0.60	18	1567	1.1	9.0	9.2	17	0.95	0.50	1	4.67	0.31	0.38	0.076	101
2000H-85	402062.69	6103060.50	0.15	0.37	11	79	2.2	7.1	1.5	9	1.00	0.50	1	6.35	0.25	0.36	0.048	105
2000H-86	405613.66	6106052.00	0.15	0.64	9	209	1.7	6.2	7.5	15	0.80	0.50	1	4.14	0.33	0.37	0.087	110
2000H-87	406394.53	6105961.00	0.15	0.39	9	48	2.1	5.1	8.0	14	1.42	0.50	1	3.64	0.45	0.32	0.050	89
2000H-88	406650.31	6108446.50	0.15	0.15	7	53	0.5	5.6	8.9	29	0.67	0.50	1	0.37	0.22	0.10	0.056	29
2000H-89	408752.84	6106602.00	0.15	0.53	8	76	1.5	8.1	8.6	26	0.88	0.50	1	2.33	0.24	0.29	0.060	48

SampleSite	UTM		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	Be	Bi	Ca	K	Mg	P	Sr
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm
2000H-90-1 Field Duplicate	391117.84	6091481.50	0.15	0.75	19	213	1.0	14.4	10.7	33	1.53	0.50	1	2.42	0.47	0.37	0.082	76
2000H-90-2 Field Duplicate	391117.84	6091481.50	0.15	0.68	19	209	1.6	15.4	12.3	32	1.43	0.50	1	2.49	0.46	0.35	0.080	69
2000H-91	390579.66	6092302.50	0.15	0.49	15	428	0.5	11.9	21.4	25	1.21	0.50	1	2.65	0.46	0.27	0.106	57
2000H-93	389781.91	6092662.00	0.15	0.32	12	121	0.5	13.6	11.5	23	1.40	0.50	1	1.79	0.51	0.33	0.120	59
2000H-94	389081.13	6092532.00	0.15	0.99	11	268	0.5	8.7	19.8	25	0.89	0.50	1	2.43	0.35	0.21	0.078	54
2000H-96	386122.09	6093126.50	0.15	0.90	10	401	1.1	12.0	15.8	44	0.95	0.50	1	1.90	0.39	0.25	0.120	43
2000H-97	385659.50	6094922.00	0.15	0.15	18	790	1.9	8.2	1.5	11	1.53	0.50	1	5.84	0.55	0.41	0.060	109
2000H-98	390172.91	6093525.00	0.15	0.91	9	66	0.5	12.1	7.9	24	1.11	0.50	1	1.02	0.30	0.15	0.125	49
2000H-99	391068.38	6094189.00	0.15	0.50	13	670	1.5	9.4	1.5	10	0.83	0.50	1	6.25	0.26	0.37	0.055	94
2000H-100	390771.78	6095004.00	0.15	0.56	4	32	0.5	5.7	7.0	20	0.41	0.50	1	0.31	0.17	0.07	0.060	18
2000H-101	393612.16	6097352.00	0.15	0.44	20	336	1.7	11.8	1.5	14	0.82	0.50	1	6.79	0.23	0.54	0.058	88
2000H-102-1 Analytical Duplicate	392650.41	6096653.00	0.15	0.41	11	297	0.5	6.3	4.1	10	1.38	0.50	1	5.37	0.39	0.27	0.061	90
2000H-102-2 Analytical Duplicate	392650.41	6096653.00	0.15	0.15	8	212	1.6	5.8	1.5	11	0.99	0.50	1	5.39	0.37	0.33	0.069	79
2000H-103	391819.38	6096113.00	0.15	0.15	4	195	2.3	2.4	5.7	22	0.30	0.50	1	2.50	0.10	0.37	0.080	55
2000H-104	390131.41	6099288.50	0.15	0.15	3	17	0.5	2.3	1.5	7	0.29	0.50	1	0.80	0.09	0.11	0.033	24
2000H-105-1 Field Duplicate	390189.03	6100414.50	0.15	0.34	7	121	1.7	12.1	10.0	29	2.16	0.50	1	2.69	0.78	0.46	0.082	100
2000H-105-2 Field Duplicate	390189.03	6100414.50	0.15	0.43	7	115	0.5	11.1	12.5	29	2.18	0.50	1	2.53	0.78	0.45	0.079	100
2000H-106	388754.06	6100689.00	0.15	0.56	11	159	1.3	2.3	5.0	34	0.66	0.50	1	3.56	0.26	0.26	0.041	55
2000H-107	388936.94	6101455.50	0.15	1.23	12	1333	2.7	7.8	25.1	125	1.33	0.50	1	2.48	0.56	0.26	0.133	86
2000H-108	385521.41	6099638.00	0.15	1.29	10	333	1.2	6.0	12.0	31	0.59	0.50	1	3.99	0.25	0.29	0.097	50
2000H-109	386132.81	6096368.00	0.15	0.56	15	159	1.1	6.5	10.2	13	0.65	0.50	1	4.10	0.18	0.30	0.090	43
2000H-110	386549.38	6095571.00	0.15	0.73	30	221	1.3	15.7	13.5	12	0.98	0.50	1	2.35	0.26	0.21	0.060	49
2000H-112	392762.47	6099792.50	0.15	0.75	17	260	1.8	4.5	5.7	9	0.41	0.50	1	6.24	0.13	0.22	0.071	76
2000H-113	392921.88	6098805.00	0.15	0.15	15	169	0.5	18.6	3.4	34	2.27	0.50	1	3.00	0.74	0.46	0.090	81
2000H-114	392777.34	6097588.00	0.15	0.72	11	57	0.5	6.3	5.2	17	1.15	0.50	1	1.12	0.45	0.19	0.062	84
2000H-115	391675.25	6095251.50	0.15	0.40	5	47	1.3	3.4	1.5	5	0.40	0.50	1	4.07	0.11	0.23	0.050	36
2000H-116	389621.63	6095117.50	0.15	0.56	8	59	0.5	6.4	18.0	25	0.94	0.50	1	0.79	0.30	0.13	0.070	37
2000H-117	390853.22	6096177.00	0.15	0.82	3	31	0.5	2.9	7.4	12	0.54	0.50	1	0.29	0.21	0.07	0.049	28
2000H-118	391438.41	6097052.00	0.15	0.65	5	80	0.5	8.4	19.0	36	0.74	0.50	1	0.31	0.29	0.10	0.064	42
2000H-119	387047.13	6096397.00	0.15	0.46	12	156	1.8	13.0	8.7	24	1.99	0.50	1	3.67	0.77	0.54	0.067	86
2000H-120	388195.31	6096944.00	0.15	0.15	7	201	0.5	8.0	8.2	15	2.37	0.50	1	5.00	1.07	1.08	0.052	150
2000H-121	388949.72	6097695.50	0.15	0.49	6	114	1.2	4.3	19.5	39	0.56	0.50	1	0.50	0.23	0.07	0.054	29
2000H-122	390079.06	6098127.00	0.15	0.15	9	237	2.2	9.3	3.1	14	1.71	0.50	1	4.68	0.76	0.83	0.078	107
2000H-124	391713.34	6098945.50	0.15	0.63	13	641	0.5	10.5	11.6	32	1.40	0.50	1	4.63	0.47	0.47	0.081	74
2000H-125	388349.84	6102123.50	0.15	0.71	11	124	1.2	4.9	1.5	38	0.91	0.50	1	4.19	0.28	0.30	0.059	70
2000H-126	389293.28	6102642.00	0.15	0.41	6	68	2.5	6.8	12.2	32	0.77	0.50	1	1.30	0.34	0.17	0.099	43
2000H-127	390127.16	6103821.50	0.15	0.15	16	95	0.5	4.5	1.5	6	0.31	0.50	1	5.32	0.08	0.28	0.074	108
2000H-128	390869.06	6103009.00	0.15	0.15	41	68	2.2	8.3	1.5	4	0.58	0.50	1	6.01	0.15	0.19	0.046	73
2000H-129	391955.44	6103866.00	0.15	0.15	7	26	1.3	3.2	1.5	15	0.16	0.50	1	3.39	0.06	0.16	0.066	34
2000H-130-1 Field Duplicate	392870.50	6104868.50	0.15	0.58	6	472	6.2	7.2	7.3	37	0.29	0.50	1	2.22	0.15	0.19	0.094	34
2000H-130-1 Field Duplicate	392870.50	6104868.50	0.15	0.50	6	465	6.7	8.2	5.2	37	0.32	0.50	1	2.16	0.15	0.19	0.092	34
2000H-130-2 Analytical Duplicate	392870.50	6104868.50	0.15	0.42	8	480	4.0	8.1	11.1	31	0.28	0.50	1	2.52	0.12	0.17	0.075	39
2000H-131	393909.19	6105750.00	0.15	0.60	12	58	35.3	3.8	1.5	23	0.24	0.50	1	2.21	0.10	0.14	0.076	29
2000H-132	394643.75	6105112.00	0.15	0.44	47	346	1.4	15.3	1.5	11	1.76	0.50	1	4.18	0.63	0.29	0.074	98
2000H-133	395632.94	6104304.50	0.15	0.33	6	16	0.5	2.3	3.1	9	0.31	0.50	1	1.94	0.09	0.13	0.039	33
2000H-134	395953.06	6103406.50	0.15	0.41	9	174	1.0	3.2	1.5	32	0.65	0.50	1	4.43	0.22	0.27	0.060	65
2000H-135	398475.94	6100648.50	0.15	0.53	8	80	1.1	9.6	12.4	32	1.29	0.50	1	0.90	0.41	0.25	0.091	41
2000H-136	397807.00	6101720.00	0.15	0.15	10	217	1.2	13.0	7.3	23	1.72	0.50	1	4.32	0.65	0.56	0.070	88
2000H-137-1 Analytical Duplicate	398893.06	6102443.50	0.15	0.43	11	290	2.3	7.8	7.8	29	0.98	0.50	1	4.66	0.31	0.38	0.071	84

SampleSite	UTM		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	Be	Bi	Ca	K	Mg	P	Sr
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm
2000H-137-2 Analytical Duplicate	398893.06	6102443.50	0.15	0.87	11	123	1.1	5.8	1.5	20	0.68	0.50	1	4.67	0.21	0.38	0.063	86
2000H-138	400332.28	6102223.50	0.15	0.57	5	51	0.5	5.0	7.3	18	0.34	0.50	1	1.02	0.17	0.18	0.063	22
2000H-139	401013.91	6102969.00	0.15	0.15	9	166	1.3	12.4	3.8	24	2.52	0.50	1	3.58	0.86	0.57	0.062	121
2000H-140	396582.16	6102405.00	0.15	0.89	13	234	1.6	6.9	5.3	19	1.34	0.50	1	4.25	0.45	0.27	0.063	93
2000H-142	398461.16	6104054.50	0.15	0.15	24	170	0.5	21.3	8.2	52	2.94	1.08	1	2.70	0.88	0.52	0.103	99
2000H-143-1 Field Duplicate	398945.84	6104816.50	0.15	0.66	4	71	0.5	5.1	6.0	45	0.54	0.50	1	0.56	0.18	0.11	0.072	23
2000H-143-2 Field Duplicate	398945.84	6104816.50	0.15	0.35	4	60	0.5	4.1	9.2	46	0.44	0.50	1	0.58	0.19	0.10	0.075	24
2000H-145	400163.44	6105012.00	0.15	0.39	11	188	1.2	6.5	1.5	24	1.52	0.50	1	3.79	0.43	0.34	0.065	77
2000H-146	401035.00	6105142.00	0.15	0.98	13	887	3.3	7.8	21.6	58	0.67	0.50	1	1.38	0.35	0.12	0.106	42
2000H-148	400836.19	6104312.50	0.15	1.15	15	508	1.4	12.4	13.1	106	1.34	0.50	1	4.22	0.42	0.48	0.088	85
2000H-149-1 Analytical Duplicate	402139.66	6105434.00	0.15	2.90	11	8108	1.9	9.8	25.9	61	1.15	0.50	1	1.32	0.48	0.23	0.223	50
2000H-149-2 Analytical Duplicate	402139.66	6105434.00	0.15	1.74	12	9635	1.4	8.7	34.6	52	1.47	0.50	1	1.11	0.60	0.23	0.212	64
2000H-151	402635.81	6106941.00	0.15	2.38	91	925	1.4	19.3	23.2	30	2.10	0.50	1	2.56	0.60	0.35	0.075	88
2000H-152	403285.63	6107605.00	0.15	0.62	10	269	1.4	8.1	15.2	28	0.82	0.50	1	1.60	0.38	0.18	0.123	50
2000H-153	403857.41	6108381.00	0.15	0.45	17	85	0.5	5.8	6.0	25	2.35	0.50	1	2.55	0.96	0.28	0.046	123
2000H-154	405007.19	6108764.00	0.15	0.79	8	365	5.3	4.8	5.2	47	0.47	0.50	1	2.34	0.21	0.18	0.135	35
2000H-155	405182.97	6109662.50	0.15	0.52	8	135	1.5	9.6	7.4	24	1.09	0.50	1	1.01	0.46	0.24	0.146	43
2000H-157	402663.81	6108717.50	0.15	0.85	3	37	0.5	1.9	8.5	11	0.26	0.50	1	0.15	0.14	0.06	0.059	11
2000H-159	401165.03	6107954.50	0.15	0.15	4	30	1.6	2.1	4.4	17	0.42	0.50	1	1.57	0.14	0.16	0.064	24
2000H-160	399579.41	6108137.00	0.15	0.53	6	47	0.5	5.8	15.4	40	0.48	0.50	1	0.25	0.18	0.06	0.072	17
2000H-161	409503.97	6110965.50	0.15	0.15	28	211	1.4	23.9	3.7	34	3.39	1.29	1	3.94	0.93	0.73	0.080	110
2000H-162-1 Field Duplicate	408825.19	6111203.00	0.15	0.64	13	117	2.0	2.1	5.1	16	0.78	0.50	1	4.45	0.21	0.31	0.110	73
2000H-162-2 Field Duplicate	408825.19	6111203.00	0.15	0.80	13	118	0.5	3.6	6.4	16	0.63	0.50	1	4.43	0.21	0.25	0.115	70
2000H-163	407938.84	6110567.50	0.15	0.15	12	108	1.2	7.6	1.5	14	1.35	0.50	1	3.05	0.34	0.36	0.112	76
2000H-164	407481.53	6111172.00	0.15	0.50	11	36	4.7	3.8	1.5	31	0.41	0.50	1	0.33	0.13	0.06	0.062	21
2000H-165	406840.56	6111248.50	0.15	0.79	11	101	1.2	6.4	7.0	49	0.51	0.50	1	0.44	0.28	0.08	0.127	31
2000H-166	406114.34	6111079.00	0.15	0.90	7	239	1.3	8.8	14.4	51	0.56	0.50	1	0.85	0.23	0.12	0.089	30
2000H-167	404689.56	6110332.00	0.15	0.88	20	116	4.2	8.0	1.5	30	1.42	0.50	1	2.70	0.49	0.36	0.067	87
2000H-168	407173.28	6110038.00	0.15	0.30	7	1345	4.8	3.3	1.5	14	0.25	0.50	1	4.96	0.07	0.26	0.076	70
2000H-169	406356.91	6109394.50	0.15	0.36	9	154	1.6	8.1	3.6	18	0.96	0.50	1	4.46	0.29	0.46	0.058	78
2000H-170	401106.94	6103466.00	0.15	0.48	9	204	1.2	9.2	1.5	22	1.74	0.50	1	4.64	0.70	0.42	0.091	96
2000H-171-1 Analytical Duplicate	400308.25	6102973.00	0.15	0.53	8	158	0.5	5.0	5.9	17	1.53	0.50	1	4.50	0.58	0.55	0.052	106
2000H-171-2 Analytical Duplicate	400308.25	6102973.00	0.15	0.15	5	84	0.5	4.1	5.1	10	0.97	0.50	1	4.27	0.38	0.48	0.051	87
2000H-173	385214.00	6096092.00	0.15	0.31	37	194	1.4	15.4	1.5	13	0.90	0.50	1	5.49	0.27	0.33	0.083	68
2000H-174	384167.44	6096184.50	0.15	0.15	11	1261	0.5	8.4	1.5	14	1.15	0.50	1	4.11	0.34	0.32	0.076	83
2000H-175	388265.75	6102950.00	0.15	0.15	3	20	0.5	1.5	4.5	14	0.21	0.50	1	0.36	0.05	0.03	0.035	18
2000H-177-1 Field Duplicate	386911.66	6102253.00	0.15	0.34	8	225	2.1	4.8	1.5	9	0.69	0.50	1	5.15	0.20	0.43	0.077	61
2000H-177-2 Field Duplicate	386911.66	6102253.00	0.15	0.15	8	227	0.5	4.7	1.5	10	0.72	0.50	1	5.17	0.21	0.45	0.079	61
2000H-178	383961.50	6096975.00	0.15	0.77	18	220	1.3	5.1	1.5	10	0.68	0.50	1	4.11	0.21	0.34	0.065	53
2000H-179-1 Analytical Duplicate	382763.03	6098971.50	0.15	0.69	12	459	2.2	13.0	8.0	18	2.00	0.50	1	5.01	0.70	0.57	0.069	95
2000H-179-2 Analytical Duplicate	382763.03	6098971.50	0.15	0.52	11	683	0.5	6.7	1.5	14	0.98	0.50	1	5.71	0.33	0.51	0.061	91
2000H-180	383572.19	6099390.00	0.15	0.15	10	58	0.5	8.3	1.5	22	1.21	0.50	1	4.45	0.31	0.40	0.048	62
2000H-181	380550.09	6095880.00	0.15	0.15	5	17	1.7	2.7	1.5	6	0.23	0.50	1	4.05	0.06	0.16	0.037	64
2000H-182	385706.34	6102721.00	0.15	0.15	14	366	1.3	11.5	4.9	16	1.62	0.50	1	4.78	0.64	0.83	0.077	78
2000H-201	376329.06	6099848.50	0.15	0.52	3	23	1.4	2.8	16.0	31	0.30	0.50	1	1.19	0.13	0.11	0.048	23
2000H-202	377827.09	6101405.50	0.15	0.45	13	423	1.6	9.9	11.1	13	1.88	0.50	1	4.62	0.65	0.65	0.064	103
2000H-203	377759.09	6103205.50	0.15	0.39	17	373	1.8	11.9	7.8	23	2.31	0.50	1	4.03	0.80	0.34	0.052	120
2000H-204	379288.84	6099045.50	0.15	0.48	15	339	1.6	5.6	1.5	10	0.71	0.50	1	5.04	0.15	0.27	0.077	50
2000H-205	377938.81	6100685.00	0.15	0.52	7	104	1.6	1.6	7.3	16	0.76	0.50	1	4.04	0.11	0.30	0.065	45

SampleSite	UTM		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	Be	Bi	Ca	K	Mg	P	Sr
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm
2000H-206	376715.94	6102116.00	0.15	0.51	10	380	1.4	6.8	1.5	14	1.77	0.50	1	4.78	0.54	0.35	0.069	87
2000H-207	383212.94	6102354.00	0.15	0.98	18	382	0.5	12.9	12.7	31	1.02	0.50	1	1.89	0.30	0.25	0.076	37
2000H-208	379651.16	6102676.50	0.15	0.82	2	12	0.5	1.7	7.3	19	0.23	0.50	1	0.29	0.07	0.10	0.046	10
2000H-209	377791.78	6097599.50	0.15	0.69	5	28	0.5	3.3	18.2	29	0.45	0.50	1	0.91	0.17	0.12	0.060	19
2000H-210	378771.63	6097898.50	0.15	0.87	23	147	0.5	11.5	16.7	26	3.00	0.50	1	1.04	0.89	0.28	0.039	117
2000H-211	386750.13	6103960.50	0.15	0.70	14	451	1.3	16.8	38.9	32	1.93	0.50	1	2.23	0.62	0.37	0.070	60
2000H-212	383294.22	6105784.50	0.15	0.47	7	518	0.5	7.0	18.8	18	1.31	0.50	1	2.38	0.48	0.29	0.049	62
2000H-213	381556.81	6105384.50	0.15	1.13	5	1086	2.1	5.6	15.0	13	0.47	0.50	1	3.88	0.17	0.27	0.058	39
2000H-214	380459.88	6105602.00	0.15	1.55	12	90	1.1	6.0	18.1	21	1.75	0.50	1	1.54	0.54	0.28	0.045	86
2000H-215	377864.75	6104760.00	0.15	0.15	9	363	0.5	5.0	1.5	10	0.59	0.50	1	4.91	0.12	0.31	0.065	55
2000H-216	383573.22	6109146.50	0.15	0.49	7	56	2.2	2.8	1.5	10	0.79	0.50	1	3.26	0.25	0.19	0.046	51
2000H-217-1 Field Duplicate	390236.81	6110548.50	0.15	0.35	7	374	1.3	6.7	16.0	19	2.96	0.50	1	1.39	1.07	0.24	0.031	138
2000H-217-2 Field Duplicate	390236.81	6110548.50	0.15	0.38	8	367	0.5	5.3	13.9	17	2.94	0.50	1	1.40	1.05	0.23	0.031	136
2000H-218-1 Analytical Duplicate	389764.00	6111144.00	0.15	0.43	12	301	1.6	8.4	3.5	15	1.92	0.50	1	4.25	0.66	0.51	0.050	134
2000H-218-2 Analytical Duplicate	389764.00	6111144.00	0.15	0.70	13	344	1.4	8.5	10.4	16	1.81	0.50	1	4.14	0.65	0.43	0.054	121
2000H-219	390098.19	6111950.00	0.15	0.58	13	386	1.1	10.0	17.3	28	2.17	0.50	1	3.19	0.73	0.37	0.042	90
2000H-220	381027.66	6110614.00	0.15	1.08	25	814	1.6	17.8	18.3	22	1.40	0.50	1	2.81	0.30	0.33	0.073	48
2000H-221	377695.31	6108412.50	0.15	1.14	9	226	0.5	7.2	18.7	24	0.96	0.50	1	2.34	0.30	0.24	0.047	39
2000H-222	379349.53	6108925.00	0.15	0.78	9	317	1.8	8.9	12.4	30	1.21	0.50	1	3.05	0.33	0.31	0.066	46
2000H-223	381125.06	6107999.50	0.15	0.72	8	257	0.5	7.1	13.9	16	0.67	0.50	1	2.89	0.20	0.23	0.059	33
2000H-224	379795.09	6110312.00	0.15	0.51	9	41	0.5	11.6	10.4	24	1.02	0.50	1	0.36	0.24	0.13	0.134	19
2000H-225	379465.34	6111668.50	0.15	0.60	7	210	1.4	5.1	9.4	13	0.27	0.50	1	3.97	0.13	0.28	0.070	50
2000H-226	385778.38	6102867.50	0.15	0.36	13	298	0.5	9.9	1.5	14	1.45	0.50	1	5.42	0.47	0.67	0.069	71
2000H-227	389816.63	6100772.00	0.15	1.11	11	403	1.3	9.7	18.2	22	0.91	0.50	1	2.39	0.28	0.33	0.068	39
2000H-228	385397.94	6109043.50	0.15	0.69	7	113	1.9	5.9	7.8	12	1.12	0.50	1	3.74	0.37	0.37	0.051	58
2000H-229	384070.59	6107122.50	0.15	0.36	4	102	2.0	1.3	4.6	25	0.28	0.50	1	4.13	0.08	0.29	0.061	53
2000H-230-1 Field Duplicate	383904.16	6112613.50	0.15	0.62	5	83	0.5	3.9	3.4	13	1.25	0.50	1	3.17	0.46	0.21	0.067	65
2000H-230-2 Field Duplicate	383904.16	6112613.50	0.15	0.15	5	81	1.7	4.6	4.9	12	1.18	0.50	1	3.01	0.45	0.20	0.063	63
2000H-231-1 Analytical Duplicate	382258.53	6113338.50	0.15	0.77	14	707	1.7	10.6	27.9	25	1.69	0.50	1	4.57	0.58	0.66	0.070	86
2000H-231-2 Analytical Duplicate	382258.53	6113338.50	0.15	0.84	12	489	2.0	9.5	17.3	18	1.24	0.50	1	4.25	0.45	0.56	0.077	74
2000H-232	390562.03	6109659.00	0.15	0.46	7	463	2.0	5.7	13.5	19	1.22	0.50	1	3.65	0.42	0.37	0.067	59
2000H-233	392016.75	6110904.50	0.15	0.66	7	276	2.3	4.9	18.1	14	0.94	0.50	1	3.28	0.25	0.26	0.053	47
2000H-234	392301.84	6112182.50	0.15	0.69	7	174	1.2	5.9	19.4	14	0.43	0.50	1	3.69	0.16	0.25	0.064	33
2000H-235	386428.03	6112778.00	0.15	0.45	4	158	0.5	5.4	10.5	30	0.31	0.50	1	2.91	0.15	0.24	0.071	30
2000H-236	381154.03	6111993.00	0.15	0.95	8	266	1.0	7.2	15.1	26	0.67	0.50	1	3.93	0.25	0.32	0.074	51
2000H-237	379199.69	6112599.50	0.15	0.57	5	217	0.5	5.3	10.2	15	0.35	0.50	1	3.37	0.16	0.23	0.064	31
2000H-238	386874.16	6116827.00	0.15	0.51	12	320	1.6	6.3	5.0	15	1.27	0.50	1	3.79	0.39	0.32	0.050	63
2000H-239	386481.22	6119657.00	0.15	0.34	14	317	0.5	7.3	1.5	8	1.03	0.50	1	5.75	0.33	0.37	0.069	74
2000H-240	385161.59	6118841.50	0.15	0.41	8	142	1.8	7.7	17.7	49	1.83	0.50	1	1.29	0.72	0.26	0.041	82
2000H-241	382370.50	6117084.50	0.15	0.62	11	138	1.6	4.0	8.9	9	0.80	0.50	1	4.43	0.24	0.36	0.055	56
2000H-242	381725.97	6118149.50	0.15	0.60	7	197	1.9	4.6	7.1	18	0.73	0.50	1	4.71	0.26	0.50	0.070	61
2000H-243	383723.41	6118533.50	0.15	0.79	8	380	1.4	3.3	4.3	11	0.42	0.50	1	4.80	0.14	0.24	0.053	41
2000H-244	389263.66	6117914.50	0.15	0.56	5	304	2.3	2.3	10.2	32	0.38	0.50	1	4.41	0.14	0.30	0.071	42
2000H-245	390752.63	6118711.00	0.15	0.31	4	142	2.3	0.5	1.5	7	0.15	0.50	1	3.95	0.07	0.25	0.067	40
2000H-246	389829.19	6119804.50	0.15	0.15	10	208	2.0	9.9	7.1	18	2.75	0.50	1	3.84	1.03	0.75	0.070	129
2000H-247	387542.09	6120739.50	0.15	0.15	9	546	0.5	6.9	11.3	19	2.60	0.50	1	2.52	0.81	0.26	0.037	106
2000H-248	387894.78	6122519.00	0.15	0.64	10	456	0.5	7.9	7.0	25	1.38	0.50	1	3.28	0.41	0.30	0.052	64
2000H-249	386461.28	6122755.00	0.15	0.15	10	202	1.3	5.4	1.5	10	1.46	0.50	1	5.14	0.47	0.33	0.056	89
2000H-250-1 Analytical Duplicate	392449.16	6112208.50	0.15	0.64	13	1197	1.3	7.3	14.4	39	1.71	0.50	1	3.05	0.56	0.31	0.057	82

SampleSite	UTM		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	Be	Bi	Ca	K	Mg	P	Sr
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm
2000H-250-2 Analytical Duplicate	392449.16	6112208.50	0.15	0.86	13	576	1.6	6.6	14.5	19	1.31	0.50	1	4.08	0.36	0.34	0.064	56
2000H-251-1 Field Duplicate	391802.69	6111173.00	0.15	0.15	7	199	2.3	7.0	7.4	14	2.84	0.50	1	3.11	0.98	0.33	0.042	125
2000H-251-2 Field Duplicate	391802.69	6111173.00	0.15	0.37	6	194	2.5	6.8	11.0	13	2.69	0.50	1	2.99	0.94	0.31	0.040	118
2000H-252	390174.03	6112731.00	0.15	0.50	11	362	0.5	8.6	17.0	18	1.79	0.50	1	3.86	0.55	0.37	0.043	82
2000H-253	395615.16	6113826.50	0.15	0.15	11	360	1.3	7.3	1.5	15	1.19	0.50	1	4.64	0.32	0.35	0.084	58
2000H-254	396711.59	6114399.00	0.15	0.56	6	51	1.8	2.3	1.5	8	0.41	0.50	1	3.90	0.09	0.21	0.057	38
2000H-255	398099.66	6117886.50	0.15	0.15	4	44	1.3	2.5	6.1	18	0.24	0.50	1	2.32	0.08	0.23	0.063	34
2000H-256	403018.75	6120422.00	0.15	0.58	11	533	2.1	10.3	25.4	24	1.70	0.50	1	3.98	0.58	0.44	0.053	69
2000H-257	403015.22	6118430.00	0.15	0.69	6	238	1.7	6.2	14.2	16	0.87	0.50	1	3.85	0.29	0.24	0.062	45
2000H-258	401426.78	6118891.00	0.15	0.81	8	194	2.2	5.4	6.3	17	0.65	0.50	1	3.64	0.23	0.31	0.089	45
2000H-259	394433.78	6120179.50	0.15	0.84	8	87	1.5	5.8	16.7	13	0.53	0.50	1	3.85	0.18	0.32	0.083	110
2000H-260	392810.16	6120480.50	0.15	0.54	6	109	1.5	4.4	8.5	10	0.39	0.50	1	4.15	0.13	0.29	0.059	34
2000H-261	395856.13	6121526.00	0.15	0.91	6	157	2.0	3.4	10.1	73	0.52	0.50	1	3.90	0.14	0.32	0.066	61
2000H-262	382201.84	6113313.00	0.15	0.64	11	756	0.5	28.1	14.8	19	1.24	0.50	1	4.31	0.41	0.41	0.063	69
2000H-263	382691.75	6113932.00	0.15	0.70	11	316	1.6	7.9	18.3	20	1.55	0.50	1	2.92	0.49	0.28	0.048	70
2000H-264	380485.66	6115711.50	0.15	0.41	9	340	1.2	8.3	3.0	15	2.88	0.50	1	3.38	1.06	0.36	0.055	137
2000H-265-1 Analytical Duplicate	379871.44	6116760.00	0.15	0.63	7	135	1.3	2.1	12.9	45	0.35	0.50	1	3.57	0.11	0.20	0.062	36
2000H-265-1 Field Duplicate	379871.44	6116760.00	0.15	0.52	6	140	0.5	1.9	9.7	47	0.35	0.50	1	3.58	0.11	0.20	0.062	36
2000H-265-2 Analytical Duplicate	379871.44	6116760.00	0.15	0.57	8	175	2.0	4.5	4.7	15	0.43	0.50	1	4.43	0.14	0.27	0.058	44
2000H-266	381433.31	6117001.50	0.15	0.15	10	336	1.8	6.8	7.9	16	1.35	0.50	1	4.39	0.45	0.38	0.053	71
2000H-267	375915.06	6116255.00	0.15	0.37	10	317	0.5	7.4	7.1	26	1.53	0.50	1	4.55	0.52	0.36	0.062	76
2000H-268	378764.00	6115647.00	0.15	0.51	5	244	1.1	3.2	1.5	17	0.39	0.50	1	6.11	0.08	0.27	0.068	55
2000H-269	375817.69	6117177.00	0.15	0.46	5	150	1.7	2.3	7.4	6	0.26	0.50	1	5.26	0.06	0.31	0.069	46
2000H-270	375674.28	6118785.50	0.15	0.80	18	385	0.5	11.7	16.2	20	1.89	0.50	1	3.75	0.59	0.41	0.056	80
2000H-271	372623.97	6120092.00	0.15	0.56	5	80	0.5	3.4	11.2	32	0.33	0.50	1	3.39	0.11	0.33	0.042	43
2000H-272	381917.66	6115401.50	0.15	0.15	11	79	1.1	8.6	1.5	9	0.87	0.50	1	4.35	0.22	0.31	0.055	65
2000H-273	379539.09	6113473.00	0.15	0.73	10	250	1.1	11.8	9.6	22	1.88	0.50	1	3.57	0.73	0.59	0.067	82
2000H-274	378643.41	6113610.00	0.15	0.71	19	421	2.0	10.2	22.7	23	1.09	0.50	1	5.14	0.36	0.48	0.071	67
2000H-275	376090.72	6109961.00	0.15	0.64	16	423	1.2	17.6	20.1	37	2.18	0.50	1	3.33	0.60	0.55	0.068	90
2000H-276	376198.66	6110938.00	0.15	0.83	12	99	1.4	5.0	9.4	12	1.51	0.50	1	3.71	0.46	0.22	0.054	77
2000H-277	376521.69	6112449.50	0.15	0.36	14	412	0.5	9.1	4.4	17	1.56	0.50	1	5.25	0.51	0.69	0.074	81
2000H-278	375920.22	6119958.50	0.15	0.55	5	90	0.5	2.2	4.0	12	0.20	0.50	1	4.48	0.07	0.26	0.068	39
2000H-279	380540.75	6121179.00	0.15	0.35	5	81	2.1	3.5	6.0	15	0.29	0.50	1	4.04	0.10	0.30	0.052	56
2000H-280	377783.25	6117499.50	0.15	0.62	14	502	0.5	16.2	16.3	52	2.61	0.50	1	2.72	0.79	0.51	0.052	93
2000H-281-1 Analytical Duplicate	375405.56	6111977.50	0.15	0.15	11	181	1.4	7.8	16.5	17	1.50	0.50	1	3.52	0.49	0.31	0.054	72
2000H-281-2 Analytical Duplicate	375405.56	6111977.50	0.15	0.49	10	146	2.0	6.9	14.7	17	1.11	0.50	1	3.65	0.36	0.28	0.049	56
2000H-282	374344.63	6110827.50	0.15	0.50	7	225	1.1	4.6	8.7	23	0.55	0.50	1	4.11	0.18	0.24	0.063	40
2000H-283	372750.41	6110253.50	0.15	0.48	27	588	3.3	6.5	5.2	21	1.23	0.50	1	3.99	0.37	0.25	0.057	65
2000H-284	371076.44	6112518.50	0.15	0.77	14	224	1.2	6.9	16.4	16	1.17	0.50	1	4.31	0.31	0.31	0.059	57
2000H-285	373327.72	6114288.50	0.15	0.38	12	287	2.3	6.1	13.7	30	1.14	0.50	1	3.69	0.36	0.28	0.062	53
2000H-286-1 Field Duplicate	371991.28	6112810.50	0.15	0.39	5	689	1.6	4.9	5.1	23	0.21	0.50	1	2.71	0.11	0.20	0.110	35
2000H-286-2 Field Duplicate	371991.28	6112810.50	0.15	0.15	6	639	0.5	4.5	3.9	22	0.19	0.50	1	2.59	0.10	0.18	0.106	33
2000H-287	377537.22	6113875.00	0.15	0.87	5	98	1.8	4.0	11.6	18	0.38	0.50	1	3.60	0.10	0.18	0.062	34
2000H-288	377012.94	6113260.00	0.15	0.67	14	535	2.3	8.1	11.3	15	1.48	0.50	1	4.76	0.47	0.36	0.074	79
2000H-289	377610.78	6110969.00	0.15	0.15	7	238	2.3	4.7	1.5	9	0.55	0.50	1	5.19	0.14	0.37	0.061	76
2000H-290	382417.03	6114793.00	0.15	0.69	7	78	3.4	3.5	7.3	20	0.39	0.50	1	3.62	0.12	0.28	0.079	78
2000H-291	383696.41	6115010.50	0.15	0.34	6	172	1.4	0.5	1.5	8	0.20	0.50	1	5.15	0.05	0.31	0.062	77
2000H-292	385936.47	6116781.00	0.15	0.43	8	210	0.5	6.5	3.5	12	1.15	0.50	1	5.47	0.45	0.71	0.061	121
2000H-293	385024.91	6115886.00	0.15	0.33	4	125	2.1	1.3	1.5	8	0.28	0.50	1	5.47	0.05	0.23	0.062	50

SampleSite	UTM		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	Be	Bi	Ca	K	Mg	P	Sr
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm
2000H-294	388431.34	6117653.00	0.15	0.15	9	284	1.8	7.5	1.5	16	1.45	0.50	1	4.88	0.58	0.39	0.072	78
2000H-295	390772.88	6115942.50	0.15	0.53	10	287	1.8	6.8	4.2	11	1.39	0.50	1	4.81	0.43	0.34	0.073	71
2000H-296	388906.22	6116341.50	0.15	0.43	4	112	2.1	2.5	4.4	14	0.22	0.50	1	4.48	0.07	0.24	0.059	48
2000H-297	392777.22	6119550.50	0.55	0.15	12	563	1.9	9.4	10.5	21	1.89	0.50	1	4.86	0.65	0.52	0.075	108
2000H-298	386844.25	6118304.50	0.15	0.41	9	555	2.3	5.9	1.5	8	0.62	0.50	1	5.57	0.22	0.51	0.071	106
2000H-299	389554.72	6118795.50	0.15	0.32	4	546	1.1	1.5	11.8	34	0.45	0.50	1	3.73	0.16	0.23	0.074	52
2000H-300-1 Field Duplicate	397789.06	6120371.50	0.15	0.82	16	512	2.1	5.8	9.1	67	0.81	0.50	1	3.28	0.26	0.30	0.049	53
2000H-300-2 Field Duplicate	397789.06	6120371.50	0.15	1.21	20	567	2.3	6.0	8.1	75	0.96	0.50	1	3.85	0.30	0.34	0.054	62
2000H-301	397379.28	6115475.50	0.15	0.42	14	841	2.5	12.0	9.7	23	3.44	1.04	1	3.55	0.98	0.43	0.069	130
2000H-302	398199.97	6115605.50	0.15	0.36	13	98	3.2	4.4	1.5	8	0.28	0.50	1	5.04	0.07	0.23	0.063	42
2000H-303	399031.28	6117196.50	0.15	0.31	6	149	2.3	3.4	1.5	16	0.30	0.50	1	5.17	0.11	0.30	0.062	89
2000H-304	399059.47	6121780.00	0.15	0.49	9	346	2.8	3.9	1.5	8	0.55	0.50	1	5.43	0.18	0.39	0.066	83
2000H-305	394394.06	6121113.00	0.15	0.38	10	388	1.6	5.3	1.5	12	0.95	0.50	1	5.59	0.30	0.55	0.063	111
2000H-306	395742.28	6120763.00	0.15	0.47	8	97	2.7	4.6	1.5	10	0.70	0.50	1	4.20	0.20	0.32	0.054	50
2000H-307	401533.19	6115214.50	0.15	0.15	10	384	2.3	6.9	1.5	9	0.97	0.50	1	5.80	0.22	0.34	0.072	67
2000H-308	388801.19	6121654.50	0.15	0.15	11	143	1.3	16.4	4.3	19	2.24	0.50	1	3.16	0.57	0.37	0.044	109
2000H-309	391428.59	6122577.50	0.15	0.34	11	330	0.5	6.6	1.5	12	1.18	0.50	1	5.18	0.36	0.37	0.063	67
2000H-310-1 Analytical Duplicate	386862.44	6121457.50	0.15	0.15	10	319	0.5	8.1	1.5	13	1.41	0.50	1	5.09	0.49	0.79	0.052	96
2000H-310-2 Analytical Duplicate	386862.44	6121457.50	0.15	0.15	11	728	2.8	9.4	1.5	15	1.37	0.50	1	5.38	0.48	0.67	0.058	98
2000H-311	398860.28	6124033.50	0.15	0.15	6	415	1.0	4.6	1.5	9	0.85	0.50	1	5.65	0.32	0.58	0.062	71
2000H-312	401764.13	6124868.00	0.15	0.15	13	457	1.7	9.5	4.1	14	1.71	0.50	1	4.95	0.63	0.66	0.057	113
2000H-313	401949.66	6123755.50	0.15	0.45	17	410	0.5	11.4	1.5	17	1.55	0.50	1	4.81	0.43	0.48	0.063	84
2000H-314-1 Field Duplicate	395694.91	6113040.00	0.15	0.15	3	26	3.9	8.7	1.5	4	0.36	0.50	1	4.63	0.06	0.25	0.038	62
2000H-314-2 Field Duplicate	395694.91	6113040.00	0.15	0.15	4	25	0.5	2.2	1.5	5	0.35	0.50	1	4.38	0.06	0.25	0.039	59
2000H-315	394579.59	6115052.50	0.15	0.15	5	282	1.1	2.3	1.5	5	0.23	0.50	1	5.32	0.06	0.30	0.062	64
2000H-316	393563.53	6115607.50	0.15	0.52	4	660	1.6	4.1	1.5	17	0.23	0.50	1	5.17	0.07	0.23	0.056	73
2000H-317	395119.63	6116693.00	0.15	0.15	13	181	2.6	6.0	3.8	15	1.25	0.50	1	4.87	0.38	0.39	0.060	71
2000H-318	392868.47	6115944.50	0.15	0.15	3	1461	1.2	2.0	9.1	43	0.20	0.50	1	2.95	0.07	0.22	0.068	63
2000H-319	392888.03	6114085.00	0.15	0.15	7	41	1.4	3.0	1.5	10	0.54	0.50	1	4.50	0.15	0.27	0.048	50
2000H-320	393461.94	6117975.00	0.15	0.44	14	724	1.5	11.8	1.5	13	1.48	0.50	1	5.09	0.48	0.41	0.076	84
2000H-321	395662.72	6119171.50	0.15	0.15	18	134	1.3	18.3	5.1	24	2.87	1.03	1	2.04	0.66	0.43	0.066	65
2000H-322	396552.13	6116783.50	0.15	0.15	1	86	1.6	4.7	1.5	16	0.12	0.50	1	1.83	0.03	0.12	0.069	40
2000H-323	398822.63	6118983.50	0.15	0.15	7	301	2.6	3.8	1.5	13	0.40	0.50	1	4.82	0.12	0.37	0.056	168
2000H-324	405468.59	6118863.50	0.15	0.15	12	53	1.5	4.3	1.5	5	0.27	0.50	1	4.26	0.06	0.36	0.045	53
2000H-325	402728.47	6116397.00	0.15	0.45	14	344	0.5	11.1	19.0	20	1.82	0.50	1	3.26	0.54	0.36	0.057	70
2000H-326	403152.28	6115757.50	0.15	0.15	23	318	1.4	27.1	1.5	43	3.62	1.41	1	3.17	0.99	0.82	0.053	72
2000H-327	401644.22	6117724.00	0.15	0.56	5	1277	2.4	1.7	8.0	36	0.25	0.50	1	3.60	0.08	0.15	0.061	30
2000H-328-1 Field Duplicate	399453.69	6113119.50	0.15	0.40	11	374	0.5	15.1	4.0	25	2.42	0.50	1	2.04	0.52	0.45	0.080	64
2000H-328-2 Field Duplicate	399453.69	6113119.50	0.15	0.31	11	405	0.5	17.3	11.0	27	2.61	0.50	1	2.26	0.56	0.49	0.086	70
2000H-329-1 Analytical Duplicate	399739.69	6116073.00	0.15	0.36	7	245	1.2	4.2	1.5	8	0.77	0.50	1	5.78	0.23	0.28	0.065	61
2000H-329-2 Analytical Duplicate	399739.69	6116073.00	0.15	0.15	6	452	2.8	2.5	1.5	18	0.30	0.50	1	5.56	0.09	0.24	0.060	46
2000H-330	400493.94	6121466.50	0.15	0.68	18	454	0.5	12.7	9.0	17	1.63	0.50	1	4.60	0.56	0.67	0.059	180
2000H-331	397631.47	6122161.50	0.15	0.43	9	259	1.5	10.2	5.8	19	1.96	0.50	1	3.69	0.77	0.43	0.058	82
2000H-332	388402.53	6110279.50	0.15	0.46	11	83	0.5	7.7	3.9	10	1.35	0.50	1	2.52	0.27	0.24	0.069	62
2000H-333	388990.78	6111278.50	0.15	0.45	8	207	0.5	7.5	7.4	13	0.81	0.50	1	3.78	0.25	0.32	0.066	50
2000H-334	388337.50	6112415.00	0.15	0.55	7	16	1.2	1.6	1.5	7	0.40	0.50	1	4.48	0.05	0.27	0.037	58
2000H-335	387047.66	6109799.50	0.15	0.52	13	409	1.2	8.3	1.5	15	2.07	0.50	1	3.95	0.73	0.44	0.053	101
2000H-336	386319.13	6111064.50	0.15	0.15	8	100	1.6	6.3	3.0	11	1.29	0.50	1	4.11	0.39	0.36	0.055	60
2000H-337	382498.38	6109258.00	0.15	0.38	11	286	2.0	9.2	19.5	22	1.38	0.50	1	3.88	0.49	0.47	0.055	87

SampleSite	UTM		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	Be	Bi	Ca	K	Mg	P	Sr
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm
2000H-338	380640.72	6106839.00	0.15	0.15	3	93	2.1	1.4	1.5	16	0.19	0.50	1	3.90	0.05	0.30	0.043	88
2000H-339	384452.22	6121046.00	0.15	0.79	13	306	1.4	8.8	18.5	17	0.90	0.50	1	4.43	0.32	0.54	0.068	106
2000H-340	378880.78	6116494.50	0.15	0.60	5	93	3.6	4.8	7.4	10	0.26	0.50	1	2.29	0.10	0.18	0.098	34
2000H-341	378317.00	6120022.00	0.15	0.15	4	18	0.5	0.5	1.5	8	0.57	0.50	1	4.25	0.13	0.27	0.053	45
2000H-342	380948.22	6114359.50	0.15	0.40	3	70	0.5	1.8	10.2	24	0.25	0.50	1	1.61	0.09	0.08	0.044	22
2000H-343	374800.81	6116438.50	0.15	0.47	10	443	1.4	5.9	4.7	15	0.87	0.50	1	4.57	0.29	0.35	0.060	76
2000H-344	374923.78	6117839.50	0.15	0.40	10	393	1.8	6.4	5.7	12	0.72	0.50	1	4.74	0.22	0.42	0.066	71
2000H-345-1 Analytical Duplicate	373345.66	6119686.50	0.15	0.40	11	624	1.0	10.7	20.4	27	2.14	0.50	1	2.97	0.68	0.37	0.050	81
2000H-345-2 Analytical Duplicate	373345.66	6119686.50	0.15	0.44	10	382	1.6	7.7	18.0	21	1.25	0.50	1	3.00	0.43	0.30	0.052	56
2000H-346	370761.88	6118036.00	0.15	0.46	13	533	1.7	7.9	5.4	21	1.05	0.50	1	3.85	0.30	0.25	0.067	63
2000H-347	372443.16	6117141.00	0.15	0.15	8	187	2.6	6.5	1.5	13	1.17	0.50	1	5.31	0.37	0.69	0.084	75
2000H-348	370122.25	6116112.50	0.15	0.41	13	556	1.7	19.0	16.6	62	2.83	0.50	1	2.40	0.87	0.62	0.044	78
2000H-349-1 Field Duplicate	371728.59	6114122.50	0.15	0.84	14	506	3.0	9.9	14.4	43	0.95	0.50	1	4.45	0.31	0.49	0.060	57
2000H-349-2 Field Duplicate	371728.59	6114122.50	0.15	0.77	14	497	2.3	9.3	16.3	44	0.94	0.50	1	4.32	0.31	0.49	0.060	55
2000H-350	402081.97	6122364.50	0.15	0.64	10	367	1.2	12.8	20.8	22	1.83	0.50	1	3.66	0.70	0.47	0.053	92
2000H-351	396866.97	6123412.50	0.15	0.15	10	384	1.5	10.6	17.6	31	2.50	0.50	1	2.82	0.97	0.60	0.045	103
2000H-352	394480.94	6124486.00	0.15	0.60	17	651	1.3	11.7	10.9	14	0.78	0.50	1	6.01	0.28	0.53	0.081	83
2000H-353	396067.84	6125747.00	0.15	0.73	9	310	0.5	4.4	17.1	19	0.62	0.50	1	4.66	0.16	0.28	0.069	44
2000H-354	392236.41	6123705.50	0.15	0.63	12	192	1.4	7.3	1.5	15	1.93	0.50	1	4.41	0.62	0.51	0.060	88
2000H-355	393649.88	6123363.00	0.15	0.54	9	277	0.5	3.7	1.5	11	0.94	0.50	1	4.78	0.23	0.33	0.059	53
2000H-356	378960.09	6100575.00	0.15	0.35	14	132	2.0	1.4	1.5	8	0.21	0.50	1	4.59	0.04	0.27	0.039	42
2000H-357	382146.16	6101546.50	0.15	1.02	15	515	2.0	12.6	13.0	24	1.64	0.50	1	3.49	0.52	0.45	0.072	61
2000H-358	384700.47	6100007.50	0.15	0.48	9	324	2.8	6.0	1.5	42	0.81	0.50	1	5.10	0.26	0.52	0.061	106
2000H-359	377622.44	6094664.00	0.15	0.64	5	1851	0.5	2.8	6.9	22	0.37	0.50	1	2.86	0.11	0.21	0.067	42
2000H-360	377658.47	6095328.00	0.15	0.15	9	206	2.5	10.7	1.5	22	1.87	0.50	1	3.04	0.45	0.44	0.071	56
2000H-361	376265.22	6096775.50	0.15	0.40	11	380	1.2	7.7	1.5	11	1.39	0.50	1	5.18	0.45	0.39	0.077	76
2000H-362	380254.41	6098643.00	0.15	0.47	39	210	1.1	22.3	17.5	62	3.35	1.25	1	1.18	0.84	0.55	0.081	69
2000H-363-1 Field Duplicate	381867.97	6099542.00	0.15	0.47	9	696	1.3	6.2	1.5	6	0.33	0.50	1	5.50	0.07	0.32	0.064	72
2000H-363-2 Field Duplicate	381867.97	6099542.00	0.15	0.15	8	623	2.4	6.0	1.5	6	0.29	0.50	1	4.94	0.06	0.29	0.057	65
2000H-364	382689.63	6104796.00	0.15	0.15	12	480	1.7	10.6	13.8	28	1.97	0.50	1	3.43	0.62	0.38	0.069	76
2000H-365	376956.47	6105531.50	0.15	0.75	14	413	1.8	8.8	1.5	16	1.84	0.50	1	4.02	0.61	0.40	0.057	88
2000H-366	376100.69	6107566.50	0.15	0.52	9	758	2.1	3.1	1.5	11	0.55	0.50	1	5.37	0.13	0.31	0.067	50
2000H-367	378498.88	6109643.00	0.15	0.57	8	170	1.3	7.5	7.4	13	1.33	0.50	1	4.97	0.42	0.56	0.064	82
2000H-368	375676.59	6109114.50	0.15	0.55	10	176	1.6	9.7	1.5	22	1.77	0.50	1	4.17	0.49	0.44	0.058	70

SampleSite	Ti	V	Y	S	Hg	H^+	K
	%	ppm	ppm	%	ppb	ppb	mhos cm^{-1}
2000H-1	0.027	7	2.4	0.141	76	-1.98	13.66
2000H-2	0.036	8	1.1	0.131	174	19.84	18.56
2000H-3	0.021	7	3.9	0.190	162	-1.40	28.89
2000H-4	0.016	4	0.5	0.181	257	-0.97	37.34
2000H-5	0.059	11	2.1	0.077	186	13.81	14.17
2000H-6	0.017	5	1.0	0.141	155	-0.18	57.56
2000H-7	0.023	4	2.1	0.158	71	-1.97	15.46
2000H-8	0.104	19	6.7	0.121	89	-2.03	23.64
2000H-9	0.027	6	1.3	0.161	158	0.41	39.26
2000H-10	0.044	11	2.1	0.138	136	-1.85	54.34
2000H-11	0.026	6	1.2	0.160	161	-1.19	52.62
2000H-12	0.097	17	6.3	0.131	90	-2.03	23.89
2000H-13	0.046	13	6.6	0.163	161	-1.95	34.16
2000H-14-1 Field Duplicate	0.017	4	1.1	0.137	170	0.05	24.28
2000H-14-2 Field Duplicate	0.017	4	0.5	0.136			
2000H-15	0.074	14	2.4	0.107	204	25.50	12.48
2000H-16-1 Analytical Duplicate	0.014	3	0.5	0.084	101	43.67	7.83
2000H-16-2 Analytical Duplicate	0.025	6	0.5	0.087	123	32.63	11.89
2000H-17	0.017	4	0.5	0.310	111	-1.89	32.95
2000H-18	0.034	9	3.5	0.112	149	15.34	14.24
2000H-24	0.056	14	4.8	0.143	86	-2.01	21.24
2000H-25	0.061	16	4.3	0.134	70	-1.95	18.24
2000H-27	0.048	12	4.4	0.132	145	-1.69	16.59
2000H-28	0.126	29	17.2	0.107	93	-1.95	13.84
2000H-29	0.005	2	0.5	0.113	91	-1.92	20.65
2000H-30	0.025	5	1.2	0.118	100	-1.68	14.18
2000H-31	0.041	9	1.5	0.106	207	21.99	15.11
2000H-33	0.068	11	3.1	0.117	237	8.72	13.45
2000H-34-1 Field Duplicate	0.074	13	9.2	0.138	88	-1.84	14.73
2000H-34-2 Field Duplicate	0.067	12	8.4	0.133			
2000H-35-1 Analytical Duplicate	0.173	22	7.0	0.063	74	-1.86	11.74
2000H-35-2 Analytical Duplicate	0.069	12	6.2	0.114	102	-1.91	18.95
2000H-36	0.031	7	2.3	0.151	196	-1.98	33.38
2000H-37	0.058	16	3.9	0.120	64	-1.86	11.54
2000H-38	0.023	6	1.2	0.135	168	3.89	21.24
2000H-39	0.033	10	2.8	0.146	73	-1.92	14.35
2000H-40	0.049	12	14.2	0.110	162	3.50	14.08
2000H-41	0.021	6	2.1	0.125	150	7.34	52.63
2000H-42	0.070	13	4.3	0.145	63	-1.97	17.92
2000H-43	0.025	7	1.5	0.172	117	-1.97	31.12
2000H-44	0.070	14	2.5	0.092	176	20.91	17.48
2000H-45	0.025	8	3.3	0.163	72	-1.98	23.99

SampleSite	Ti	V	Y	S	Hg	H^+	K
	%	ppm	ppm	%	ppb	ppb	mhos cm^{-1}
2000H-46	0.196	66	6.9	0.121	155	18.42	14.86
2000H-47	0.025	7	1.5	0.184	151	-1.94	35.04
2000H-48	0.086	20	5.7	0.125	135	-1.96	19.93
2000H-49	0.034	8	2.5	0.176	57	-1.98	19.31
2000H-50	0.049	11	4.1	0.197	133	-1.99	33.26
2000H-51	0.075	15	5.7	0.111	163	-1.68	23.28
2000H-52	0.092	19	4.0	0.077	169	2.08	16.37
2000H-53-1 Analytical Duplicate	0.079	17	5.0	0.079	139	-1.39	16.78
2000H-53-2 Analytical Duplicate	0.092	18	4.9	0.091	136	-0.34	15.42
2000H-54	0.034	12	3.7	0.148	90	-1.97	21.31
2000H-55-1 Field Duplicate	0.057	10	3.7	0.122	81	-1.96	17.73
2000H-55-2 Field Duplicate	0.059	10	3.8	0.125			
2000H-56	0.057	10	3.5	0.115	87	-1.96	17.03
2000H-57	0.060	10	3.8	0.098	146	-1.88	19.74
2000H-58	0.017	3	0.5	0.074	174	40.66	2.88
2000H-59	0.010	3	0.5	0.220	79	10.03	10.19
2000H-60	0.052	11	3.1	0.133	261	13.49	21.08
2000H-61	0.106	22	7.1	0.156	86	-1.95	20.54
2000H-62	0.127	20	7.0	0.112	84	-1.97	20.21
2000H-63	0.053	14	3.6	0.144	72	-1.89	12.14
2000H-64	0.025	9	4.5	0.137	141	-1.76	19.81
2000H-65	0.018	4	1.5	0.146	199	-1.67	20.38
2000H-66	0.022	7	1.4	0.168	143	-1.98	28.36
2000H-67	0.033	7	1.4	0.069	222	50.49	1.74
2000H-68	0.025	5	1.1	0.082	241	43.71	6.11
2000H-69-1 Field Duplicate	0.071	16	7.1	0.091	160	9.49	14.38
2000H-69-1 Analytical Duplicate	0.058	14	5.6	0.090	147	5.59	14.75
2000H-69-2 Field Duplicate	0.063	15	6.5	0.084			
2000H-70	0.017	6	0.5	0.149	167	-1.90	25.94
2000H-71	0.040	11	2.4	0.180	144	-1.91	29.75
2000H-72	0.026	6	1.4	0.177	92	-1.97	18.92
2000H-73	0.019	4	0.5	0.152	65	-1.97	15.60
2000H-74	0.034	6	1.9	0.137	72	-1.97	17.01
2000H-75	0.055	16	8.1	0.128	147	-1.88	22.24
2000H-76-1 Analytical Duplicate	0.075	17	5.4	0.129	143	-1.93	23.05
2000H-76-2 Analytical Duplicate	0.103	22	8.2	0.099	111	-1.91	17.15
2000H-77	0.019	4	0.5	0.131	104	-0.18	15.66
2000H-78	0.101	20	5.8	0.150	77	3.25	9.06
2000H-79	0.052	11	4.4	0.133	65	-1.91	7.35
2000H-80	0.072	14	3.5	0.107	125	0.09	17.67
2000H-81	0.075	18	5.5	0.148	69	-1.04	10.16
2000H-82	0.075	18	5.4	0.097	125	-0.34	19.12
2000H-83	0.016	4	1.2	0.132	71	-1.97	23.81
2000H-84	0.050	16	6.7	0.172	127	-1.96	32.72
2000H-85	0.056	14	3.4	0.144	74	-1.96	13.43
2000H-86	0.047	11	2.6	0.180	104	-1.96	28.53
2000H-87	0.077	13	4.4	0.110	62	-1.62	8.96
2000H-88	0.042	9	2.3	0.081	126	14.99	1.26
2000H-89	0.048	14	3.2	0.156	139	-1.74	17.70

SampleSite	Ti	V	Y	S	Hg	H*	K
	%	ppm	ppm	%	ppb	ppb	mhos cm^{-1}
2000H-90-1 Field Duplicate	0.077	24	12.3	0.119	125	-1.65	18.67
2000H-90-2 Field Duplicate	0.076	24	11.9	0.112			
2000H-91	0.075	19	7.3	0.145	170	-1.73	37.60
2000H-93	0.077	22	8.0	0.146	128	0.05	54.58
2000H-94	0.052	13	4.0	0.127	133	-1.24	41.63
2000H-96	0.057	15	3.7	0.128	168	-1.35	38.37
2000H-97	0.082	14	6.2	0.129	71	-1.98	20.14
2000H-98	0.049	14	13.2	0.113	205	7.12	17.11
2000H-99	0.049	10	2.7	0.141	67	-1.89	14.54
2000H-100	0.032	7	1.3	0.114	139	36.02	13.30
2000H-101	0.047	15	3.5	0.162	66	-1.98	21.99
2000H-102-1 Analytical Duplicate	0.074	15	6.2	0.109	94	-1.94	14.04
2000H-102-2 Analytical Duplicate	0.060	12	3.2	0.153	113	-1.96	24.12
2000H-103	0.014	4	1.1	0.175	142	-1.71	23.09
2000H-104	0.020	2	0.5	0.125	132	29.63	11.14
2000H-105-1 Field Duplicate	0.117	25	5.1	0.138	103	-1.57	18.35
2000H-105-2 Field Duplicate	0.117	25	5.0	0.134			
2000H-106	0.042	6	2.2	0.150	119	-1.89	13.19
2000H-107	0.079	17	3.7	0.151	306	-1.60	38.75
2000H-108	0.037	9	1.9	0.151	158	-1.94	27.14
2000H-109	0.033	9	2.9	0.183	162	-1.88	23.34
2000H-110	0.049	11	5.4	0.135	125	1.76	16.28
2000H-112	0.022	6	1.5	0.210	114	-2.02	28.32
2000H-113	0.130	26	6.4	0.113	91	-1.73	13.00
2000H-114	0.069	12	3.5	0.115	172	50.44	2.66
2000H-115	0.018	4	1.2	0.160	77	-1.80	18.42
2000H-116	0.066	16	2.5	0.138	333	12.41	5.06
2000H-117	0.043	8	1.5	0.087	193	97.96	-9.77
2000H-118	0.056	12	2.0	0.133	307	50.44	3.46
2000H-119	0.102	26	8.8	0.112	132	-1.97	20.76
2000H-120	0.137	19	6.5	0.082	94	-2.03	17.49
2000H-121	0.043	8	1.5	0.095	285	40.62	0.09
2000H-122	0.092	15	4.9	0.144	80	-2.02	22.01
2000H-124	0.081	18	4.2	0.133	160	-2.03	25.38
2000H-125	0.051	10	3.3	0.116	86	-1.86	12.84
2000H-126	0.049	11	2.2	0.157	228	5.72	27.50
2000H-127	0.015	12	1.8	0.335	72	-2.02	11.13
2000H-128	0.031	6	2.7	0.158	52	-1.96	11.46
2000H-129	0.005	2	0.5	0.183	120	-1.96	26.06
2000H-130-1 Field Duplicate	0.019	10	1.3	0.168	178	-1.89	34.45
2000H-130-1 Field Duplicate	0.018	9	1.3	0.168	183		
2000H-130-2 Analytical Duplicate	0.020	9	1.2	0.156		-1.90	20.95
2000H-131	0.014	5	0.5	0.160	138	-0.81	12.08
2000H-132	0.096	16	5.8	0.126	51	-1.98	10.06
2000H-133	0.021	4	1.2	0.146	58	8.92	6.98
2000H-134	0.037	10	2.8	0.142	95	-1.84	15.54
2000H-135	0.064	18	4.8	0.096	214	4.57	10.30
2000H-136	0.093	25	5.1	0.166	96	-2.03	29.38
2000H-137-1 Analytical Duplicate	0.052	15	3.4	0.133	115	-2.02	25.22

SampleSite	Ti	V	Y	S	Hg	H*	K
	%	ppm	ppm	%	ppb	ppb	mhos cm^{-1}
2000H-137-2 Analytical Duplicate	0.035	11	1.8	0.123	98	-2.02	23.50
2000H-138	0.017	6	1.9	0.156	132	-0.46	13.36
2000H-139	0.128	25	6.6	0.076	45	-2.00	7.65
2000H-140	0.082	14	4.9	0.096	101	-2.01	19.34
2000H-142	0.143	36	11.5	0.129	135	-1.77	14.31
2000H-143-1 Field Duplicate	0.031	7	1.3	0.147	239	31.84	15.26
2000H-143-2 Field Duplicate	0.028	6	1.2	0.150			
2000H-145	0.089	20	4.1	0.128	70	-1.75	8.61
2000H-146	0.048	9	1.9	0.151	251	2.64	30.38
2000H-148	0.073	20	3.7	0.176	124	-2.01	24.64
2000H-149-1 Analytical Duplicate	0.066	23	4.0	0.123	122	-0.89	55.91
2000H-149-2 Analytical Duplicate	0.094	28	4.3	0.098	112	-0.92	40.92
2000H-151	0.122	23	8.4	0.078	78	-1.80	17.52
2000H-152	0.043	9	2.5	0.209	134	-0.46	39.96
2000H-153	0.131	14	5.0	0.094	58	-1.64	4.97
2000H-154	0.020	5	2.8	0.192	133	-0.60	82.31
2000H-155	0.057	15	5.7	0.169	141	1.35	31.43
2000H-157	0.021	4	0.5	0.097	201	89.16	-7.19
2000H-159	0.033	8	1.1	0.317	354	-1.30	18.85
2000H-160	0.130	12	1.3	0.211	397	73.82	-1.92
2000H-161	0.167	41	14.0	0.091	57	-2.01	13.35
2000H-162-1 Field Duplicate	0.033	14	2.8	0.176	92	-1.99	19.96
2000H-162-2 Field Duplicate	0.034	14	2.3	0.187			
2000H-163	0.072	15	5.6	0.166	87	-1.74	6.00
2000H-164	0.028	5	1.1	0.157	192	49.24	4.57
2000H-165	0.031	5	1.1	0.139	143	7.96	28.82
2000H-166	0.039	8	1.5	0.168	329	17.01	26.45
2000H-167	0.094	21	3.6	0.120	138	-1.70	8.79
2000H-168	0.014	4	1.2	0.186	88	-1.92	18.76
2000H-169	0.047	12	4.8	0.137	93	-1.96	19.92
2000H-170	0.098	18	5.8	0.153	80	-1.97	17.72
2000H-171-1 Analytical Duplicate	0.087	15	4.4	0.121	90	-1.96	16.63
2000H-171-2 Analytical Duplicate	0.057	10	2.9	0.160	102	-1.95	19.84
2000H-173	0.051	23	9.5	0.264	132	-1.97	21.50
2000H-174	0.055	16	4.2	0.271	89	-1.96	20.73
2000H-175	0.015	1	0.5	0.107	97	55.55	-1.93
2000H-177-1 Field Duplicate	0.038	11	2.9	0.162	92	-1.95	15.74
2000H-177-2 Field Duplicate	0.040	11	3.0	0.170			
2000H-178	0.036	8	3.2	0.160	111	-1.90	15.44
2000H-179-1 Analytical Duplicate	0.107	23	8.6	0.158	98	-1.99	20.27
2000H-179-2 Analytical Duplicate	0.057	13	3.6	0.157	96	-1.99	20.95
2000H-180	0.061	18	3.5	0.161	65	-1.89	13.24
2000H-181	0.016	3	0.5	0.162	55	-1.55	8.84
2000H-182	0.086	17	5.5	0.167	97	-1.99	21.62
2000H-201	0.022	5	1.2	0.122	132	6.32	14.19
2000H-202	0.107	18	7.8	0.210	95	-1.99	18.46
2000H-203	0.145	23	7.3	0.120	90	-1.98	16.59
2000H-204	0.031	9	3.8	0.156	92	-1.97	16.11
2000H-205	0.022	5	1.8	0.182	108	-1.97	20.72

SampleSite	Ti	V	Y	S	Hg	H*	K
	%	ppm	ppm	%	ppb	ppb	mhos cm^{-1}
2000H-206	0.088	16	7.7	0.128	110	-1.98	18.19
2000H-207	0.053	16	9.2	0.131	204	-1.49	22.32
2000H-208	0.005	2	0.5	0.100	96	51.71	1.81
2000H-209	0.031	8	1.4	0.135	126	4.03	17.59
2000H-210	0.193	32	7.2	0.057	68	7.12	7.41
2000H-211	0.108	27	9.7	0.088	119	-1.83	19.93
2000H-212	0.067	14	4.7	0.097	114	-1.96	8.73
2000H-213	0.027	7	1.5	0.138	147	-1.97	33.51
2000H-214	0.102	15	3.5	0.080	100	0.00	14.20
2000H-215	0.026	9	3.0	0.152	82	-1.97	16.91
2000H-216	0.041	8	2.3	0.102	101	-1.93	9.65
2000H-217-1 Field Duplicate	0.139	22	5.6	0.063	70	0.05	5.98
2000H-217-2 Field Duplicate	0.141	21	5.4	0.059			
2000H-218-1 Analytical Duplicate	0.103	18	6.8	0.123	83	-2.03	17.45
2000H-218-2 Analytical Duplicate	0.101	18	6.4	0.133	103	-1.99	16.96
2000H-219	0.111	21	6.3	0.095	110	-2.01	17.04
2000H-220	0.062	19	13.9	0.122	165	-1.88	21.75
2000H-221	0.051	13	3.3	0.114	177	-1.88	19.55
2000H-222	0.055	13	3.8	0.211	139	-2.00	27.15
2000H-223	0.035	11	3.6	0.151	143	-1.79	25.62
2000H-224	0.041	10	5.5	0.147	161	12.08	16.77
2000H-225	0.015	8	1.1	0.196	127	-2.03	36.58
2000H-226	0.071	17	4.5	0.165	74	-2.03	18.43
2000H-227	0.045	14	5.6	0.114	213	-1.70	24.49
2000H-228	0.060	12	3.6	0.126	103	-1.93	17.26
2000H-229	0.017	4	0.5	0.203	100	-2.01	23.04
2000H-230-1 Field Duplicate	0.067	11	3.7	0.130	72	-1.43	15.90
2000H-230-2 Field Duplicate	0.065	11	3.3	0.123			
2000H-231-1 Analytical Duplicate	0.091	19	7.0	0.156	114	-2.04	30.60
2000H-231-2 Analytical Duplicate	0.065	17	4.8	0.197	126	-2.03	28.37
2000H-232	0.069	14	3.8	0.150	154	-2.01	20.84
2000H-233	0.050	12	3.6	0.138	154	-1.90	18.05
2000H-234	0.023	9	1.6	0.183	147	-2.02	27.13
2000H-235	0.019	5	0.5	0.164	132	-1.93	27.66
2000H-236	0.039	11	2.3	0.196	134	-2.02	28.83
2000H-237	0.021	6	1.0	0.172	153	-1.83	26.53
2000H-238	0.073	15	4.2	0.126	146	-2.00	19.75
2000H-239	0.048	10	3.6	0.181	103	-2.03	21.13
2000H-240	0.099	17	3.9	0.095	113	-0.53	16.88
2000H-241	0.043	9	2.6	0.150	102	-1.98	17.96
2000H-242	0.038	8	2.1	0.195	107	-2.03	30.28
2000H-243	0.025	8	1.7	0.137	111	-2.02	22.73
2000H-244	0.024	6	1.0	0.196	122	-2.02	29.60
2000H-245	0.005	4	0.5	0.243	118	-2.00	27.25
2000H-246	0.148	24	8.7	0.156	91	-2.03	15.35
2000H-247	0.144	25	7.1	0.080	96	-1.88	6.05
2000H-248	0.074	14	5.4	0.100	141	-1.95	16.76
2000H-249	0.079	13	3.9	0.115	77	-2.03	20.43
2000H-250-1 Analytical Duplicate	0.096	16	4.9	0.099	166	-1.91	14.75

SampleSite	Ti	V	Y	S	Hg	H*	K
	%	ppm	ppm	%	ppb	ppb	mhos cm^{-1}
2000H-250-2 Analytical Duplicate	0.061	12	6.4	0.148	141	-2.03	23.99
2000H-251-1 Field Duplicate	0.146	23	7.4	0.084	79	-2.02	11.83
2000H-251-2 Field Duplicate	0.141	22	7.1	0.080			
2000H-252	0.102	19	7.0	0.095	126	-2.01	19.54
2000H-253	0.063	14	5.3	0.142	112	-1.99	17.26
2000H-254	0.022	5	1.2	0.154	91	-1.88	16.35
2000H-255	0.014	3	0.5	0.157	105	-1.54	15.74
2000H-256	0.093	18	6.2	0.130	123	-2.03	24.25
2000H-257	0.045	12	3.1	0.146	152	-1.96	26.16
2000H-258	0.034	8	1.9	0.222	110	-2.03	25.77
2000H-259	0.029	10	2.0	0.248	138	-2.01	29.14
2000H-260	0.023	7	1.4	0.167	129	-1.98	27.06
2000H-261	0.029	6	1.2	0.281	139	-2.00	25.75
2000H-262	0.067	17	5.1	0.148	134	-2.03	30.87
2000H-263	0.086	17	5.0	0.104	136	-1.56	17.24
2000H-264	0.139	21	7.7	0.089	70	-2.01	10.84
2000H-265-1 Analytical Duplicate	0.022	5	1.0	0.150	122	-1.95	19.96
2000H-265-1 Field Duplicate	0.020	5	1.0	0.148	126		
2000H-265-2 Analytical Duplicate	0.090	8	1.6	0.143		-2.01	21.94
2000H-266	0.075	15	5.0	0.159	122	-2.02	19.49
2000H-267	0.083	16	5.9	0.124	102	-2.03	19.87
2000H-268	0.018	5	1.1	0.183	86	-2.02	21.43
2000H-269	0.014	4	0.5	0.203	87	-2.00	17.05
2000H-270	0.098	20	11.8	0.101	95	-2.00	17.65
2000H-271	0.021	5	0.5	0.114	115	-2.02	22.11
2000H-272	0.039	9	4.0	0.142	78	-2.00	15.25
2000H-273	0.100	20	5.4	0.145	119	-2.03	24.45
2000H-274	0.058	15	3.7	0.165	116	-1.99	37.24
2000H-275	0.106	30	6.2	0.132	117	-1.93	22.65
2000H-276	0.091	15	4.2	0.124	95	-1.86	14.14
2000H-277	0.083	18	5.2	0.185	96	-1.99	13.02
2000H-278	0.012	3	0.5	0.201	76	-1.94	20.54
2000H-279	0.017	4	0.5	0.169	86	-1.95	21.14
2000H-280	0.148	32	8.2	0.099	115	-1.94	15.85
2000H-281-1 Analytical Duplicate	0.081	15	3.8	0.143	108	-1.98	20.09
2000H-281-2 Analytical Duplicate	0.064	13	3.4	0.143	118	-1.98	13.34
2000H-282	0.031	7	1.8	0.144	123	-1.95	19.64
2000H-283	0.068	12	5.0	0.120	97	-1.95	11.44
2000H-284	0.060	14	4.7	0.153	137	-1.97	20.10
2000H-285	0.066	14	3.3	0.145	120	-1.94	17.04
2000H-286-1 Field Duplicate	0.012	3	0.5	0.273	139	-1.90	34.84
2000H-286-2 Field Duplicate	0.011	3	0.5	0.265			
2000H-287	0.024	5	1.1	0.184	104	-1.91	17.55
2000H-288	0.078	15	5.5	0.155	107	-1.98	19.47
2000H-289	0.029	8	1.9	0.164	83	-1.95	15.24
2000H-290	0.021	6	1.2	0.250	119	-1.96	23.43
2000H-291	0.011	3	0.5	0.196	85	-1.97	17.92
2000H-292	0.064	14	3.4	0.182	101	-1.99	23.00
2000H-293	0.012	3	0.5	0.154	85	-1.96	19.53

SampleSite	Ti	V	Y	S	Hg	H*	K
	%	ppm	ppm	%	ppb	ppb	mhos cm^{-1}
2000H-294	0.085	15	4.8	0.160	86	-1.98	18.44
2000H-295	0.073	15	5.1	0.198	111	-1.98	20.89
2000H-296	0.014	3	0.5	0.159	114	-1.96	23.73
2000H-297	0.104	19	6.5	0.154	121	-1.99	24.96
2000H-298	0.032	11	2.7	0.256	98	-1.98	23.17
2000H-299	0.029	6	1.1	0.160	147	-1.97	27.20
2000H-300-1 Field Duplicate	0.049	10	2.5	0.107	103	-1.94	20.04
2000H-300-2 Field Duplicate	0.057	11	3.0	0.121			
2000H-301	0.173	31	14.5	0.087	79	-1.94	12.74
2000H-302	0.015	4	1.2	0.143	115	-1.91	18.35
2000H-303	0.017	4	1.0	0.161	101	-1.98	25.74
2000H-304	0.030	11	2.0	0.207	75	-1.98	13.88
2000H-305	0.046	11	3.3	0.151	102	-1.99	24.53
2000H-306	0.036	8	2.1	0.135	94	-1.90	16.44
2000H-307	0.039	10	5.8	0.182	102	-1.98	23.25
2000H-308	0.126	27	5.5	0.082	72	-1.91	12.45
2000H-309	0.066	13	6.7	0.125	93	-1.97	16.81
2000H-310-1 Analytical Duplicate	0.081	17	4.3	0.128	71	-1.98	18.66
2000H-310-2 Analytical Duplicate	0.077	16	4.5	0.143	73	-1.97	20.90
2000H-311	0.045	9	2.7	0.162	73	-1.98	20.55
2000H-312	0.088	15	5.4	0.108	74	-1.99	13.79
2000H-313	0.075	21	7.2	0.146	103	-1.98	17.88
2000H-314-1 Field Duplicate	0.026	4	1.1	0.136	90	-1.93	12.35
2000H-314-2 Field Duplicate	0.026	4	1.2	0.142			
2000H-315	0.013	3	0.5	0.202	75	-1.97	20.51
2000H-316	0.013	4	0.5	0.166	124	-1.93	25.55
2000H-317	0.064	11	4.2	0.145	98	-1.98	20.88
2000H-318	0.011	3	0.5	0.158	145	-1.78	20.81
2000H-319	0.034	6	1.6	0.152	90	-1.95	17.34
2000H-320	0.077	16	6.5	0.173	108	-1.98	22.18
2000H-321	0.139	36	9.2	0.099	77	-1.41	5.69
2000H-322	0.005	1	0.5	0.200	77	1.90	16.14
2000H-323	0.018	7	1.4	0.143	102	-1.97	26.80
2000H-324	0.014	5	1.2	0.136	67	-1.96	14.93
2000H-325	0.093	20	8.4	0.126	120	-1.93	19.55
2000H-326	0.152	50	14.0	0.111	88	-1.97	19.22
2000H-327	0.015	3	0.5	0.159	134	-1.96	19.33
2000H-328-1 Field Duplicate	0.111	31	5.5	0.096	102	-1.62	12.06
2000H-328-2 Field Duplicate	0.121	33	5.9	0.106			
2000H-329-1 Analytical Duplicate	0.041	8	2.6	0.156	95	-1.98	22.55
2000H-329-2 Analytical Duplicate	0.018	5	0.5	0.206	93	-1.99	28.16
2000H-330	0.081	19	5.4	0.147	119	-1.99	35.68
2000H-331	0.106	20	5.2	0.128	100	-2.02	14.70
2000H-332	0.063	16	6.5	0.140	94	-1.55	7.54
2000H-333	0.043	10	2.8	0.156	125	-2.02	20.61
2000H-334	0.016	4	1.7	0.120	75	-1.96	9.26
2000H-335	0.114	18	6.7	0.104	91	-2.03	18.53
2000H-336	0.066	14	4.3	0.110	78	-2.02	11.62
2000H-337	0.078	17	4.4	0.168	132	-2.02	20.40

SampleSite	Ti	V	Y	S	Hg	H^+	K
	%	ppm	ppm	%	ppb	ppb	mhos cm^{-1}
2000H-338	0.011	3	0.5	0.229	94	-2.02	23.61
2000H-339	0.046	14	3.2	0.206	122	-2.04	28.81
2000H-340	0.015	4	0.5	0.269	98	-1.72	29.60
2000H-341	0.028	4	1.2	0.138	58	-1.97	13.76
2000H-342	0.016	3	0.5	0.096	95	4.57	13.50
2000H-343	0.046	12	3.1	0.159	113	-2.03	24.88
2000H-344	0.032	11	3.5	0.212	103	-2.03	29.41
2000H-345-1 Analytical Duplicate	0.117	22	5.6	0.098	115	-2.00	22.15
2000H-345-2 Analytical Duplicate	0.073	14	4.0	0.108	111	-2.01	24.64
2000H-346	0.054	13	3.6	0.144	86	-1.95	17.56
2000H-347	0.123	16	3.1	0.110	64	-2.03	13.54
2000H-348	0.148	36	6.9	0.120	123	-2.02	19.23
2000H-349-1 Field Duplicate	0.048	14	5.8	0.170	121	-2.03	34.39
2000H-349-2 Field Duplicate	0.047	14	5.8	0.169			
2000H-350	0.110	23	5.6	0.138	122	-2.03	26.14
2000H-351	0.148	23	7.1	0.093	94	-2.03	17.65
2000H-352	0.037	12	2.4	0.322	101	-2.04	41.51
2000H-353	0.089	13	2.0	0.176	124	-2.03	24.83
2000H-354	0.108	19	6.6	0.105	69	-2.02	14.02
2000H-355	0.047	9	3.2	0.147	101	-2.03	23.68
2000H-356	0.011	3	0.5	0.138	64	-1.88	15.55
2000H-357	0.080	21	6.6	0.177	148	-2.03	26.39
2000H-358	0.044	12	2.8	0.172	126	-2.03	28.24
2000H-359	0.027	5	1.1	0.117	147	-2.01	28.05
2000H-360	0.087	23	3.6	0.130	71	-1.63	12.27
2000H-361	0.070	14	4.3	0.135	73	-2.02	13.63
2000H-362	0.198	53	8.8	0.074	107	0.15	18.05
2000H-363-1 Field Duplicate	0.017	6	1.5	0.318	68	-2.03	26.02
2000H-363-2 Field Duplicate	0.015	7	1.3	0.279			
2000H-364	0.104	20	5.9	0.149	112	-2.03	19.58
2000H-365	0.098	18	6.7	0.116	82	-2.02	18.02
2000H-366	0.023	8	2.0	0.144	67	-2.02	19.11
2000H-367	0.066	14	4.4	0.162	121	-2.04	30.99
2000H-368	0.091	23	4.6	0.119	69	-2.00	14.96

Duplicate Pair ICP-AES, H^+, *K* and Hg Analyses.

SampleSite	UTM		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	Be	Bi	Ca	K	Mg	P	Sr
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm
2000H-14-1 Field Duplicate	384536.25	6095146.50	0.15	0.94	5	157	0.5	3.4	10.4	21	0.34	0.50	1	1.32	0.15	0.14	0.062	18
2000H-14-2 Field Duplicate	384536.25	6095146.50	0.15	0.65	5	153	0.5	4.0	11.9	20	0.27	0.50	1	1.29	0.15	0.14	0.061	18
2000H-16-1 Analytical Duplicate	389243.59	6093479.00	0.15	0.53	5	57	0.5	4.8	3.3	37	0.19	0.50	1	0.18	0.16	0.05	0.086	23
2000H-16-2 Analytical Duplicate	389243.59	6093479.00	0.15	0.79	5	92	0.5	5.1	8.3	23	0.32	0.50	1	0.27	0.18	0.06	0.073	16
2000H-34-1 Field Duplicate	387794.94	6101729.00	0.15	0.37	21	315	0.5	5.6	6.2	11	1.39	0.50	1	4.88	0.38	0.36	0.101	78
2000H-34-2 Field Duplicate	387794.94	6101729.00	0.15	0.53	20	304	1.8	7.9	1.5	11	1.28	0.50	1	4.67	0.35	0.34	0.097	74
2000H-35-1 Analytical Duplicate	386267.97	6101746.50	0.15	0.15	9	129	0.5	7.3	6.1	16	2.65	0.50	1	2.13	1.12	0.36	0.036	131
2000H-35-2 Analytical Duplicate	386267.97	6101746.50	0.15	0.15	10	126	1.3	4.9	3.7	9	1.26	0.50	1	3.89	0.36	0.31	0.054	66
2000H-53-1 Analytical Duplicate	399544.66	6095816.50	0.15	0.74	12	484	1.7	10.5	18.6	21	1.29	0.50	1	2.34	0.46	0.26	0.054	64
2000H-53-2 Analytical Duplicate	399544.66	6095816.50	0.15	0.76	13	377	0.5	10.5	16.1	18	1.46	0.50	1	2.73	0.51	0.25	0.049	73
2000H-55-1 Field Duplicate	390952.91	6099942.50	0.15	0.15	10	240	1.2	5.1	1.5	9	1.02	0.50	1	5.78	0.38	0.33	0.053	88
2000H-55-2 Field Duplicate	390952.91	6099942.50	0.15	0.35	11	245	0.5	5.3	8.6	10	1.04	0.50	1	5.97	0.39	0.34	0.056	90
2000H-69-1 Field Duplicate	398290.31	6099503.50	0.15	0.66	12	93	2.0	11.5	23.9	27	1.08	0.50	1	0.99	0.38	0.16	0.065	45
2000H-69-1 Analytical Duplicate	398290.31	6099503.50	0.15	0.79	11	80	0.5	10.0	24.7	24	0.91	0.50	1	1.04	0.31	0.14	0.055	38
2000H-69-2 Field Duplicate	398290.31	6099503.50	0.15	0.90	12	86	1.4	10.9	27.9	25	1.00	0.50	1	0.97	0.35	0.14	0.059	44
2000H-76-1 Analytical Duplicate	405489.13	6108952.50	0.15	0.65	17	420	3.1	10.7	16.8	22	1.36	0.50	1	3.66	0.49	0.39	0.076	80
2000H-76-2 Analytical Duplicate	405489.13	6108952.50	0.15	0.79	10	452	1.8	10.9	7.1	26	2.13	0.50	1	3.73	0.73	0.48	0.066	107
2000H-90-1 Field Duplicate	391117.84	6091481.50	0.15	0.75	19	213	1.0	14.4	10.7	33	1.53	0.50	1	2.42	0.47	0.37	0.082	76
2000H-90-2 Field Duplicate	391117.84	6091481.50	0.15	0.68	19	209	1.6	15.4	12.3	32	1.43	0.50	1	2.49	0.46	0.35	0.080	69
2000H-102-1 Analytical Duplicate	392650.41	6096653.00	0.15	0.41	11	297	0.5	6.3	4.1	10	1.38	0.50	1	5.37	0.39	0.27	0.061	90
2000H-102-2 Analytical Duplicate	392650.41	6096653.00	0.15	0.15	8	212	1.6	5.8	1.5	11	0.99	0.50	1	5.39	0.37	0.33	0.069	79
2000H-105-1 Field Duplicate	390189.03	6100414.50	0.15	0.34	7	121	1.7	12.1	10.0	29	2.16	0.50	1	2.69	0.78	0.46	0.082	100
2000H-105-2 Field Duplicate	390189.03	6100414.50	0.15	0.43	7	115	0.5	11.1	12.5	29	2.18	0.50	1	2.53	0.78	0.45	0.079	100
2000H-130-1 Field Duplicate	392870.50	6104868.50	0.15	0.58	6	472	6.2	7.2	7.3	37	0.29	0.50	1	2.22	0.15	0.19	0.094	34
2000H-130-1 Field Duplicate	392870.50	6104868.50	0.15	0.50	6	465	6.7	8.2	5.2	37	0.32	0.50	1	2.16	0.15	0.19	0.092	34
2000H-130-2 Analytical Duplicate	392870.50	6104868.50	0.15	0.42	8	480	4.0	8.1	11.1	31	0.28	0.50	1	2.52	0.12	0.17	0.075	39
2000H-137-1 Analytical Duplicate	398893.06	6102443.50	0.15	0.43	11	290	2.3	7.8	7.8	29	0.98	0.50	1	4.66	0.31	0.38	0.071	84
2000H-137-2 Analytical Duplicate	398893.06	6102443.50	0.15	0.87	11	123	1.1	5.8	1.5	20	0.68	0.50	1	4.67	0.21	0.38	0.063	86
2000H-143-1 Field Duplicate	398945.84	6104816.50	0.15	0.66	4	71	0.5	5.1	6.0	45	0.54	0.50	1	0.56	0.18	0.11	0.072	23
2000H-143-2 Field Duplicate	398945.84	6104816.50	0.15	0.35	4	60	0.5	4.1	9.2	46	0.44	0.50	1	0.58	0.19	0.10	0.075	24
2000H-149-1 Analytical Duplicate	402139.66	6105434.00	0.15	2.90	11	8108	1.9	9.8	25.9	61	1.15	0.50	1	1.32	0.48	0.23	0.223	50
2000H-149-2 Analytical Duplicate	402139.66	6105434.00	0.15	1.74	12	9635	1.4	8.7	34.6	52	1.47	0.50	1	1.11	0.60	0.23	0.212	64

SampleSite	UTM		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	Be	Bi	Ca	K	Mg	P	Sr
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm
2000H-162-1 Field Duplicate	408825.19	6111203.00	0.15	0.64	13	117	2.0	2.1	5.1	16	0.78	0.50	1	4.45	0.21	0.31	0.110	73
2000H-162-2 Field Duplicate	408825.19	6111203.00	0.15	0.80	13	118	0.5	3.6	6.4	16	0.63	0.50	1	4.43	0.21	0.25	0.115	70
2000H-171-1 Analytical Duplicate	400308.25	6102973.00	0.15	0.53	8	158	0.5	5.0	5.9	17	1.53	0.50	1	4.50	0.58	0.55	0.052	106
2000H-171-2 Analytical Duplicate	400308.25	6102973.00	0.15	0.15	5	84	0.5	4.1	5.1	10	0.97	0.50	1	4.27	0.38	0.48	0.051	87
2000H-177-1 Field Duplicate	386911.66	6102253.00	0.15	0.34	8	225	2.1	4.8	1.5	9	0.69	0.50	1	5.15	0.20	0.43	0.077	61
2000H-177-2 Field Duplicate	386911.66	6102253.00	0.15	0.15	8	227	0.5	4.7	1.5	10	0.72	0.50	1	5.17	0.21	0.45	0.079	61
2000H-179-1 Analytical Duplicate	382763.03	6098971.50	0.15	0.69	12	459	2.2	13.0	8.0	18	2.00	0.50	1	5.01	0.70	0.57	0.069	95
2000H-179-2 Analytical Duplicate	382763.03	6098971.50	0.15	0.52	11	683	0.5	6.7	1.5	14	0.98	0.50	1	5.71	0.33	0.51	0.061	91
2000H-217-1 Field Duplicate	390236.81	6110548.50	0.15	0.35	7	374	1.3	6.7	16.0	19	2.96	0.50	1	1.39	1.07	0.24	0.031	138
2000H-217-2 Field Duplicate	390236.81	6110548.50	0.15	0.38	8	367	0.5	5.3	13.9	17	2.94	0.50	1	1.40	1.05	0.23	0.031	136
2000H-218-1 Analytical Duplicate	389764.00	6111144.00	0.15	0.43	12	301	1.6	8.4	3.5	15	1.92	0.50	1	4.25	0.66	0.51	0.050	134
2000H-218-2 Analytical Duplicate	389764.00	6111144.00	0.15	0.70	13	344	1.4	8.5	10.4	16	1.81	0.50	1	4.14	0.65	0.43	0.054	121
2000H-230-1 Field Duplicate	383904.16	6112613.50	0.15	0.62	5	83	0.5	3.9	3.4	13	1.25	0.50	1	3.17	0.46	0.21	0.067	65
2000H-230-2 Field Duplicate	383904.16	6112613.50	0.15	0.15	5	81	1.7	4.6	4.9	12	1.18	0.50	1	3.01	0.45	0.20	0.063	63
2000H-231-1 Analytical Duplicate	382258.53	6113338.50	0.15	0.77	14	707	1.7	10.6	27.9	25	1.69	0.50	1	4.57	0.58	0.66	0.070	86
2000H-231-2 Analytical Duplicate	382258.53	6113338.50	0.15	0.84	12	489	2.0	9.5	17.3	18	1.24	0.50	1	4.25	0.45	0.56	0.077	74
2000H-250-1 Analytical Duplicate	392449.16	6112208.50	0.15	0.64	13	1197	1.3	7.3	14.4	39	1.71	0.50	1	3.05	0.56	0.31	0.057	82
2000H-250-2 Analytical Duplicate	392449.16	6112208.50	0.15	0.86	13	576	1.6	6.6	14.5	19	1.31	0.50	1	4.08	0.36	0.34	0.064	56
2000H-251-1 Field Duplicate	391802.69	6111173.00	0.15	0.15	7	199	2.3	7.0	7.4	14	2.84	0.50	1	3.11	0.98	0.33	0.042	125
2000H-251-2 Field Duplicate	391802.69	6111173.00	0.15	0.37	6	194	2.5	6.8	11.0	13	2.69	0.50	1	2.99	0.94	0.31	0.040	118
2000H-265-1 Analytical Duplicate	379871.44	6116760.00	0.15	0.63	7	135	1.3	2.1	12.9	45	0.35	0.50	1	3.57	0.11	0.20	0.062	36
2000H-265-1 Field Duplicate	379871.44	6116760.00	0.15	0.52	6	140	0.5	1.9	9.7	47	0.35	0.50	1	3.58	0.11	0.20	0.062	36
2000H-265-2 Analytical Duplicate	379871.44	6116760.00	0.15	0.57	8	175	2.0	4.5	4.7	15	0.43	0.50	1	4.43	0.14	0.27	0.058	44
2000H-281-1 Analytical Duplicate	375405.56	6111977.50	0.15	0.15	11	181	1.4	7.8	16.5	17	1.50	0.50	1	3.52	0.49	0.31	0.054	72
2000H-281-2 Analytical Duplicate	375405.56	6111977.50	0.15	0.49	10	146	2.0	6.9	14.7	17	1.11	0.50	1	3.65	0.36	0.28	0.049	56
2000H-286-1 Field Duplicate	371991.28	6112810.50	0.15	0.39	5	689	1.6	4.9	5.1	23	0.21	0.50	1	2.71	0.11	0.20	0.110	35
2000H-286-2 Field Duplicate	371991.28	6112810.50	0.15	0.15	6	639	0.5	4.5	3.9	22	0.19	0.50	1	2.59	0.10	0.18	0.106	33
2000H-300-1 Field Duplicate	397789.06	6120371.50	0.15	0.82	16	512	2.1	5.8	9.1	67	0.81	0.50	1	3.28	0.26	0.30	0.049	53
2000H-300-2 Field Duplicate	397789.06	6120371.50	0.15	1.21	20	567	2.3	6.0	8.1	75	0.96	0.50	1	3.85	0.30	0.34	0.054	62
2000H-310-1 Analytical Duplicate	386862.44	6121457.50	0.15	0.15	10	319	0.5	8.1	1.5	13	1.41	0.50	1	5.09	0.49	0.79	0.052	96
2000H-310-2 Analytical Duplicate	386862.44	6121457.50	0.15	0.15	11	728	2.8	9.4	1.5	15	1.37	0.50	1	5.38	0.48	0.67	0.058	96
2000H-314-1 Field Duplicate	395694.91	6113040.00	0.15	0.15	3	26	3.9	8.7	1.5	4	0.36	0.50	1	4.63	0.06	0.25	0.038	62
2000H-314-2 Field Duplicate	395694.91	6113040.00	0.15	0.15	4	25	0.5	2.2	1.5	5	0.35	0.50	1	4.38	0.06	0.25	0.039	59
2000H-328-1 Field Duplicate	399453.69	6113119.50	0.15	0.40	11	374	0.5	15.1	4.0	25	2.42	0.50	1	2.04	0.52	0.45	0.080	64
2000H-328-2 Field Duplicate	399453.69	6113119.50	0.15	0.31	11	405	0.5	17.3	11.0	27	2.61	0.50	1	2.26	0.56	0.49	0.086	70

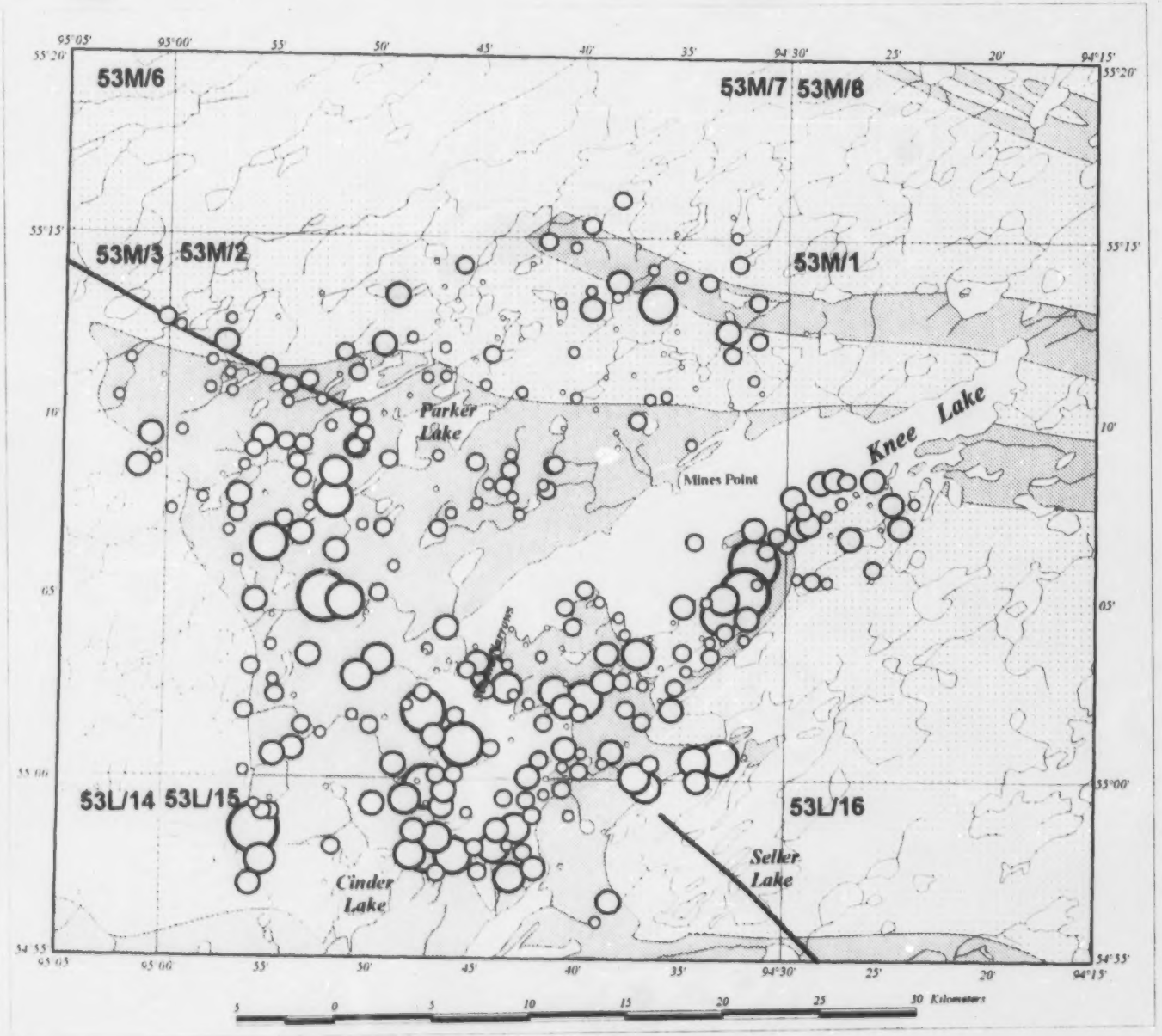
SampleSite	UTM		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	Be	Bi	Ca	K	Mg	P	Sr
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm
2000H-329-1 Analytical Duplicate	399739.69	6116073.00	0.15	0.36	7	245	1.2	4.2	1.5	8	0.77	0.50	1	5.78	0.23	0.28	0.065	61
2000H-329-2 Analytical Duplicate	399739.69	6116073.00	0.15	0.15	6	452	2.8	2.5	1.5	18	0.30	0.50	1	5.56	0.09	0.24	0.060	46
2000H-345-1 Analytical Duplicate	373345.66	6119686.50	0.15	0.40	11	624	1.0	10.7	20.4	27	2.14	0.50	1	2.97	0.68	0.37	0.050	81
2000H-345-2 Analytical Duplicate	373345.66	6119686.50	0.15	0.44	10	382	1.6	7.7	18.0	21	1.25	0.50	1	3.00	0.43	0.30	0.052	56
2000H-349-1 Field Duplicate	371728.59	6114122.50	0.15	0.84	14	506	3.0	9.9	14.4	43	0.95	0.50	1	4.45	0.31	0.49	0.060	57
2000H-349-2 Field Duplicate	371728.59	6114122.50	0.15	0.77	14	497	2.3	9.3	16.3	44	0.94	0.50	1	4.32	0.31	0.49	0.060	55
2000H-363-1 Field Duplicate	381867.97	6099542.00	0.15	0.47	9	696	1.3	6.2	1.5	6	0.33	0.50	1	5.50	0.07	0.32	0.064	72
2000H-363-2 Field Duplicate	381867.97	6099542.00	0.15	0.15	8	623	2.4	6.0	1.5	6	0.29	0.50	1	4.94	0.06	0.29	0.057	65

SampleSite	Ti	V	Y	S	Hg	H^+	*K*
	%	ppm	ppm	%	ppb	ppb	mhos cm^{-1}
2000H-14-1 Field Duplicate	0.017	4	1.1	0.137	170	0.05	24.28
2000H-14-2 Field Duplicate	0.017	4	0.5	0.136			
2000H-16-1 Analytical Duplicate	0.014	3	0.5	0.084	101	43.67	7.83
2000H-16-2 Analytical Duplicate	0.025	6	0.5	0.087	123	32.63	11.89
2000H-34-1 Field Duplicate	0.074	13	9.2	0.138	88	-1.84	14.73
2000H-34-2 Field Duplicate	0.067	12	8.4	0.133			
2000H-35-1 Analytical Duplicate	0.173	22	7.0	0.063	74	-1.86	11.74
2000H-35-2 Analytical Duplicate	0.069	12	6.2	0.114	102	-1.91	18.95
2000H-53-1 Analytical Duplicate	0.079	17	5.0	0.079	139	-1.39	16.78
2000H-53-2 Analytical Duplicate	0.092	18	4.9	0.091	136	-0.34	15.42
2000H-55-1 Field Duplicate	0.057	10	3.7	0.122	81	-1.96	17.73
2000H-55-2 Field Duplicate	0.059	10	3.8	0.125			
2000H-69-1 Field Duplicate	0.071	16	7.1	0.091	160	9.49	14.38
2000H-69-1 Analytical Duplicate	0.058	14	5.6	0.090	147	5.59	14.75
2000H-69-2 Field Duplicate	0.063	15	6.5	0.084			
2000H-76-1 Analytical Duplicate	0.075	17	5.4	0.129	143	-1.93	23.05
2000H-76-2 Analytical Duplicate	0.103	22	8.2	0.099	111	-1.91	17.15
2000H-90-1 Field Duplicate	0.077	24	12.3	0.119	125	-1.65	18.67
2000H-90-2 Field Duplicate	0.076	24	11.9	0.112			
2000H-102-1 Analytical Duplicate	0.074	15	6.2	0.109	94	-1.94	14.04
2000H-102-2 Analytical Duplicate	0.060	12	3.2	0.153	113	-1.96	24.12
2000H-105-1 Field Duplicate	0.117	25	5.1	0.138	103	-1.57	18.35
2000H-105-2 Field Duplicate	0.117	25	5.0	0.134			
2000H-130-1 Field Duplicate	0.019	10	1.3	0.168	178	-1.89	34.45
2000H-130-1 Field Duplicate	0.018	9	1.3	0.168	183		
2000H-130-2 Analytical Duplicate	0.020	9	1.2	0.156		-1.90	20.95
2000H-137-1 Analytical Duplicate	0.052	15	3.4	0.133	115	-2.02	25.22
2000H-137-2 Analytical Duplicate	0.035	11	1.8	0.123	98	-2.02	23.50
2000H-143-1 Field Duplicate	0.031	7	1.3	0.147	239	31.84	15.26
2000H-143-2 Field Duplicate	0.028	6	1.2	0.150			
2000H-149-1 Analytical Duplicate	0.066	23	4.0	0.123	122	-0.89	55.91
2000H-149-2 Analytical Duplicate	0.094	28	4.3	0.098	112	-0.92	40.92

SampleSite	Ti	V	Y	S	Hg	H^+	K
	%	ppm	ppm	%	ppb	ppb	mhos cm^{-1}
2000H-162-1 Field Duplicate	0.033	14	2.8	0.176	92	-1.99	19.96
2000H-162-2 Field Duplicate	0.034	14	2.3	0.187			
2000H-171-1 Analytical Duplicate	0.087	15	4.4	0.121	90	-1.96	16.63
2000H-171-2 Analytical Duplicate	0.057	10	2.9	0.160	102	-1.95	19.84
2000H-177-1 Field Duplicate	0.038	11	2.9	0.162	92	-1.95	15.74
2000H-177-2 Field Duplicate	0.040	11	3.0	0.170			
2000H-179-1 Analytical Duplicate	0.107	23	8.6	0.158	98	-1.99	20.27
2000H-179-2 Analytical Duplicate	0.057	13	3.6	0.157	96	-1.99	20.95
2000H-217-1 Field Duplicate	0.139	22	5.6	0.063	70	0.05	5.98
2000H-217-2 Field Duplicate	0.141	21	5.4	0.059			
2000H-218-1 Analytical Duplicate	0.103	18	6.8	0.123	83	-2.03	17.45
2000H-218-2 Analytical Duplicate	0.101	18	6.4	0.133	103	-1.99	16.96
2000H-230-1 Field Duplicate	0.067	11	3.7	0.130	72	-1.43	15.90
2000H-230-2 Field Duplicate	0.065	11	3.3	0.123			
2000H-231-1 Analytical Duplicate	0.091	19	7.0	0.156	114	-2.04	30.60
2000H-231-2 Analytical Duplicate	0.065	17	4.8	0.197	126	-2.03	28.37
2000H-250-1 Analytical Duplicate	0.096	16	4.9	0.099	166	-1.91	14.75
2000H-250-2 Analytical Duplicate	0.061	12	6.4	0.148	141	-2.03	23.99
2000H-251-1 Field Duplicate	0.146	23	7.4	0.084	79	-2.02	11.83
2000H-251-2 Field Duplicate	0.141	22	7.1	0.080			
2000H-265-1 Analytical Duplicate	0.022	5	1.0	0.150	122	-1.95	19.96
2000H-265-1 Field Duplicate	0.020	5	1.0	0.148	126		
2000H-265-2 Analytical Duplicate	0.090	8	1.6	0.143		-2.01	21.94
2000H-281-1 Analytical Duplicate	0.081	15	3.8	0.143	108	-1.98	20.09
2000H-281-2 Analytical Duplicate	0.064	13	3.4	0.143	118	-1.98	13.34
2000H-286-1 Field Duplicate	0.012	3	0.5	0.273	139	-1.90	34.84
2000H-286-2 Field Duplicate	0.011	3	0.5	0.265			
2000H-300-1 Field Duplicate	0.049	10	2.5	0.107	103	-1.94	20.04
2000H-300-2 Field Duplicate	0.057	11	3.0	0.121			
2000H-310-1 Analytical Duplicate	0.081	17	4.3	0.128	71	-1.98	18.66
2000H-310-2 Analytical Duplicate	0.077	16	4.5	0.143	73	-1.97	20.90
2000H-314-1 Field Duplicate	0.026	4	1.1	0.136	90	-1.93	12.35
2000H-314-2 Field Duplicate	0.026	4	1.2	0.142			
2000H-328-1 Field Duplicate	0.111	31	5.5	0.096	102	-1.62	12.06
2000H-328-2 Field Duplicate	0.121	33	5.9	0.106			

SampleSite	Ti	V	Y	S	Hg	H+	K
	%	ppm	ppm	%	ppb	ppb	mhos cm^{-1}
2000H-329-1 Analytical Duplicate	0 041	8	2.6	0.156	95	-1.98	22.55
2000H-329-2 Analytical Duplicate	0.018	5	0.5	0.206	93	-1.99	28.16
2000H-345-1 Analytical Duplicate	0.117	22	5.6	0.098	115	-2.00	22.15
2000H-345-2 Analytical Duplicate	0.073	14	4.0	0.108	111	-2.01	24.64
2000H-349-1 Field Duplicate	0.048	14	5.8	0.170	121	-2.03	34.39
2000H-349-2 Field Duplicate	0.047	14	5.8	0.169			
2000H-363-1 Field Duplicate	0.017	8	1.5	0.318	68	-2.03	26.02
2000H-363-2 Field Duplicate	0.015	7	1.3	0.279			

ICP-AES, H^+, *K* and Hg Percentile Bubble Plots.



Legend

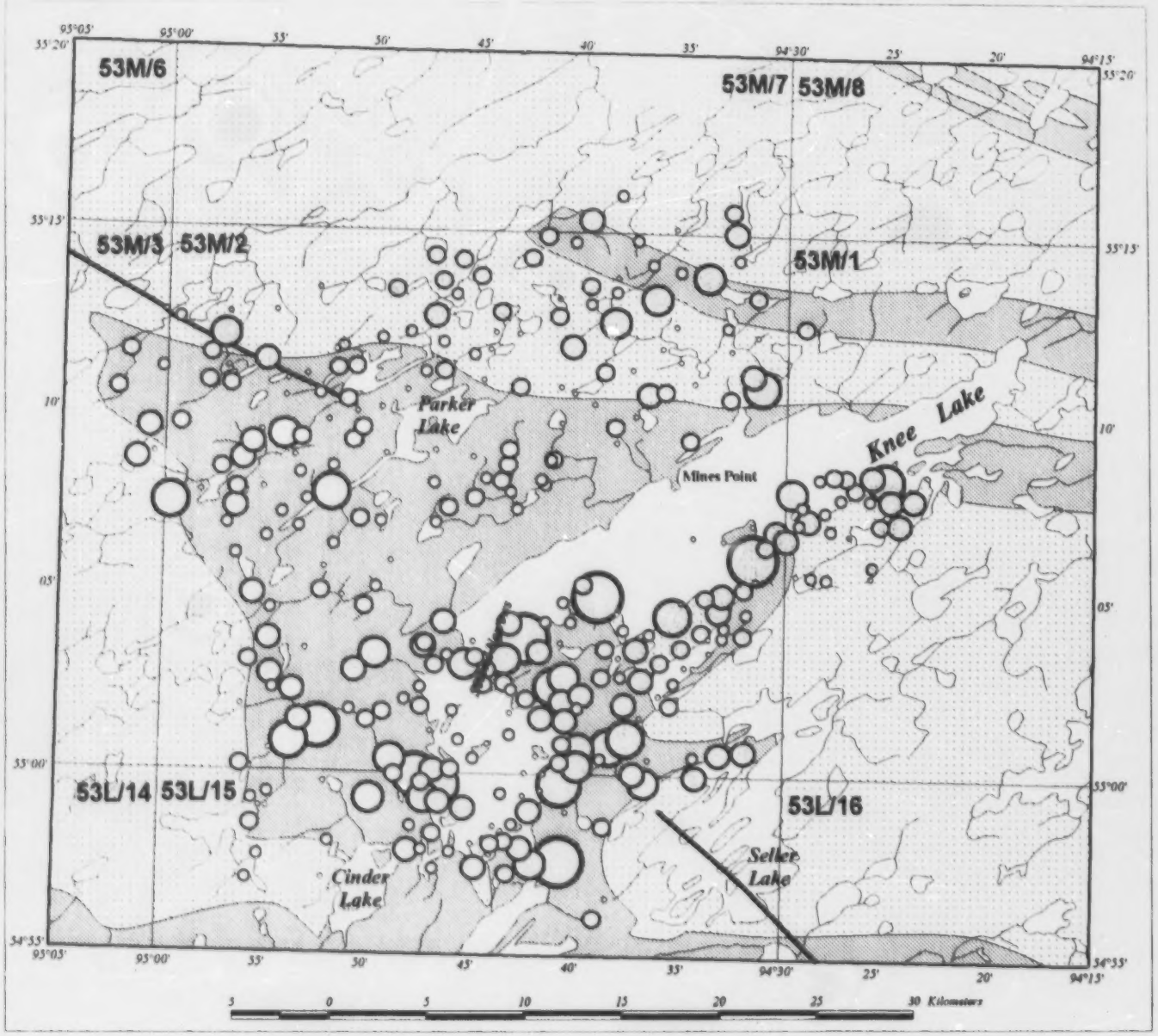
- Intrusive rocks
- Supracrustal rocks
- Dykes

Cd (ppm)

- >0.2<=0.3 (25%tile)
- >0.3<=0.5 (50%tile)
- >0.5<=0.7 (75%tile)
- >0.7<=0.9 (90%tile)
- >0.9<=1.1 (95%tile)
- >1.1<=1.2 (98%tile)
- >1.2<=1.4 (99%tile)
- >1.5<=2.4 (100%tile)

Humus (-80 mesh) 331 samples ICP-AES

Appendix H-3-1



Legend

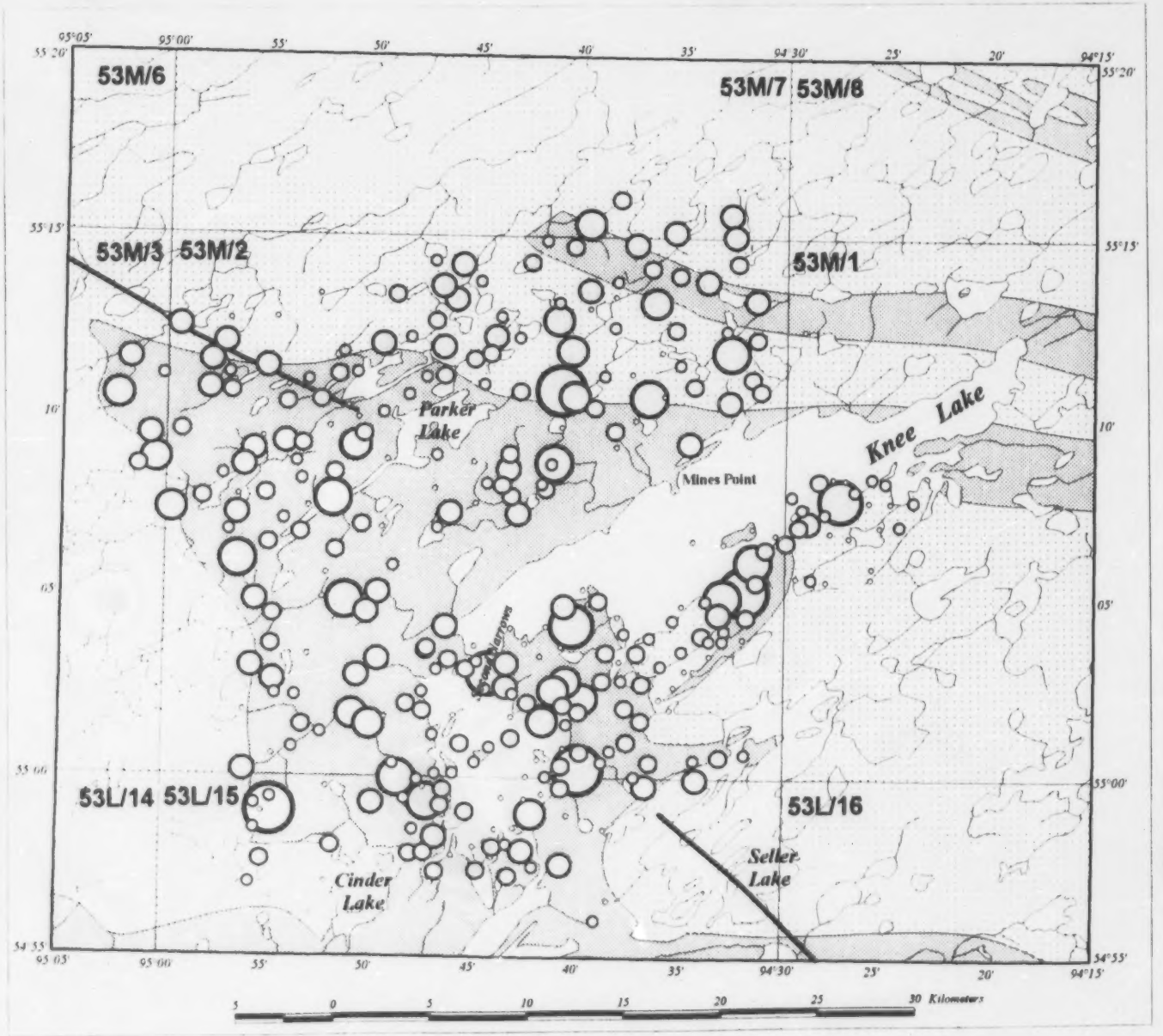
- Intrusive rocks
- Supracrustal rocks
- Dykes

Cu (ppm)

- >1<=7 (25%tile)
- >7<=10 (50%tile)
- >10<=13 (75%tile)
- >13<=17 (90%tile)
- >18<=22 (95%tile)
- >23<=30 (98%tile)
- >37<=39 (99%tile)
- >41<=94 (100%tile)

Humus (-80 mesh) 331 samples ICP-AES

Appendix H-3-2



Legend

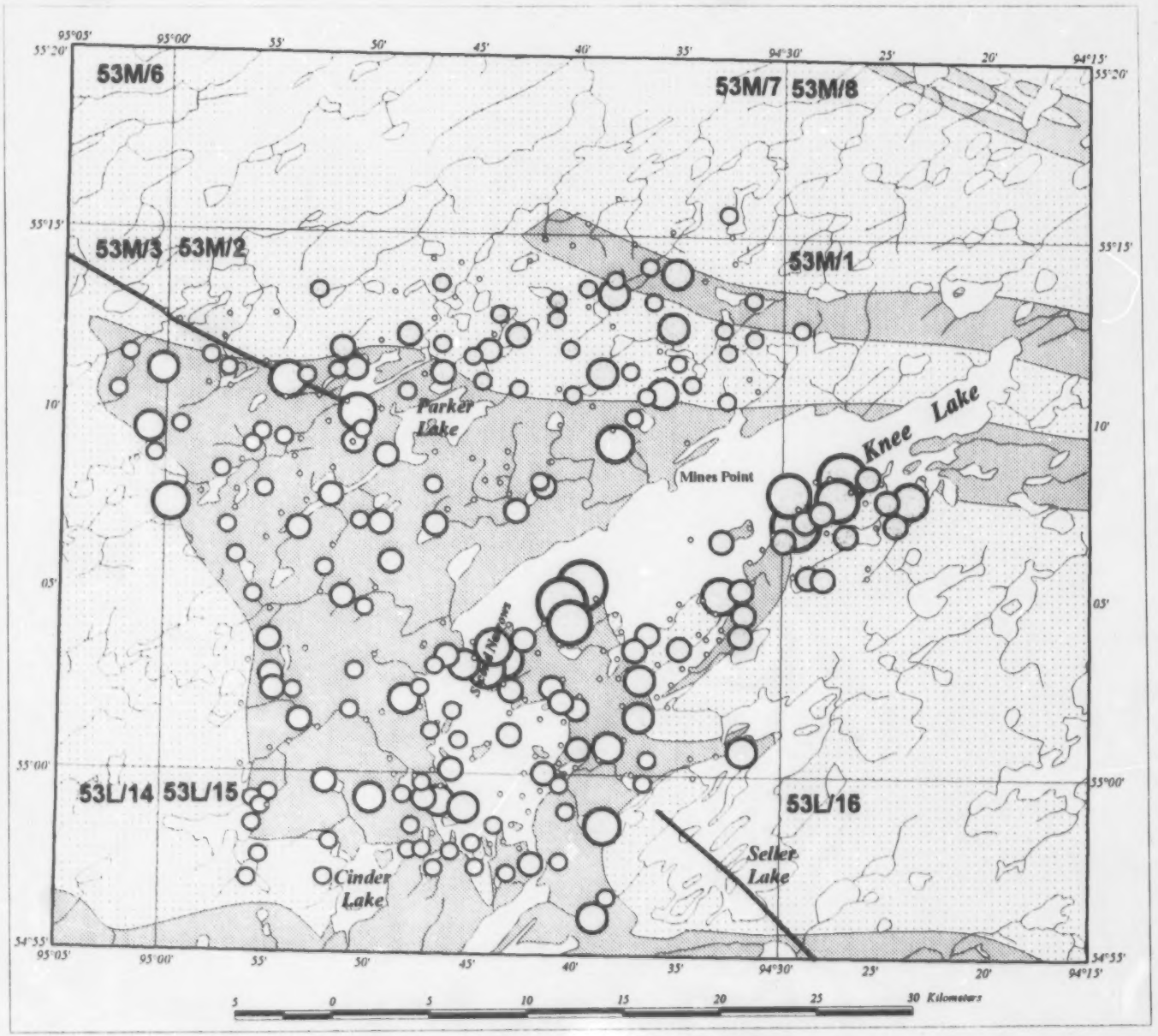
- Intrusive rocks
- Supracrustal rocks
- Dykes

Mn (ppm)

- >12<=101 (25%tile)
- >102<=220 (50%tile)
- >221<=378 (75%tile)
- >380<=555 (90%tile)
- >556<=756 (95%tile)
- >758<=1277 (98%tile)
- >1309<=1345 (99%tile)
- >1461<=8871 (100%tile)

Humus (-80 mesh) 331 samples ICP-AES

Appendix H-3-3



Legend

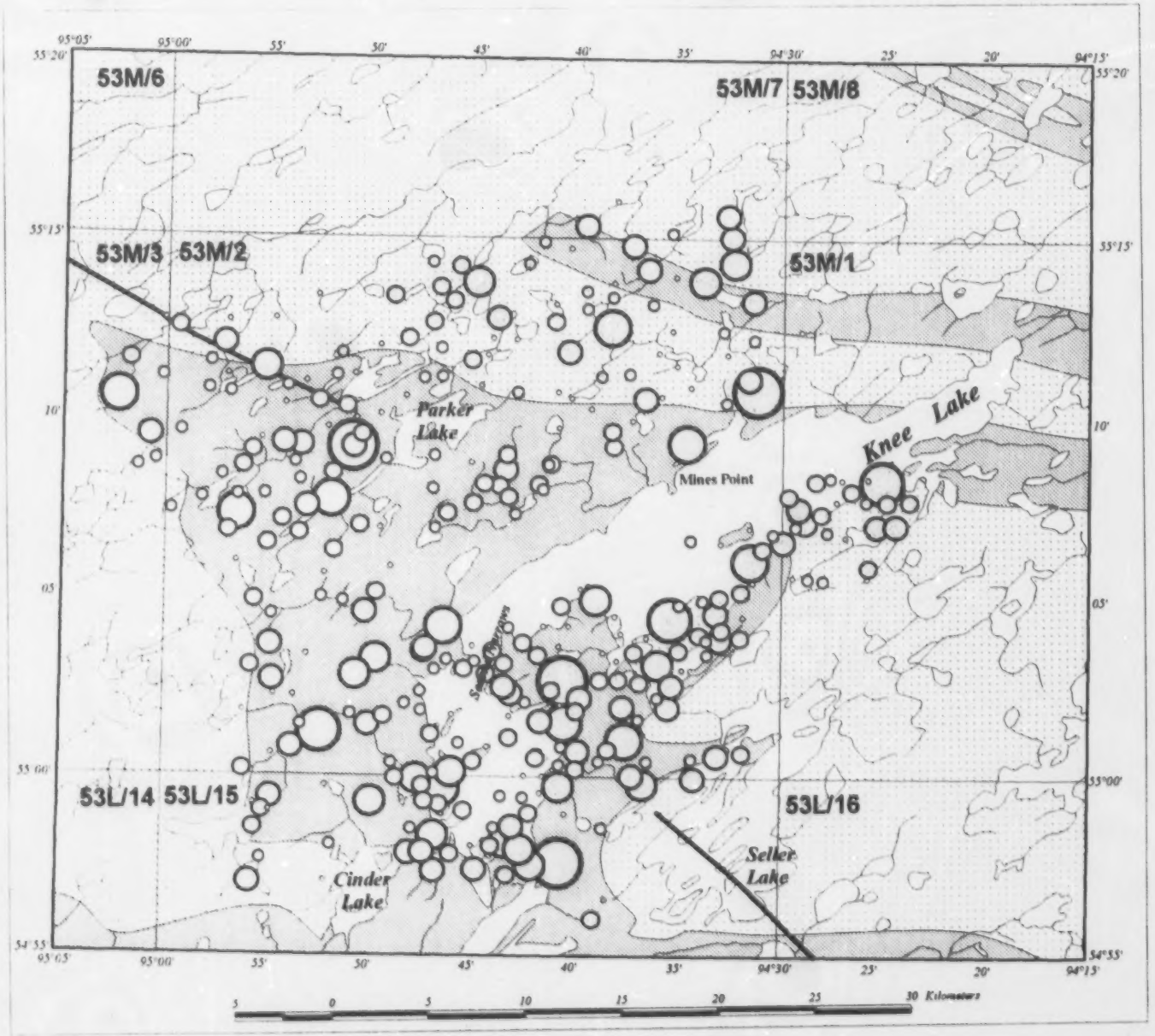
- Intrusive rocks
- Supracrustal rocks
- Dykes

Mo (ppm)

- >1<=1 (50%tile)
- >1<=2 (75%tile)
- >2<=2 (90%tile)
- >2<=3 (95%tile)
- >3<=4 (98%tile)
- >4<=5 (99%tile)
- >5<=35 (100%tile)

Humus (-80 mesh) 331 samples ICP-AES

Appendix H-3-4



Legend

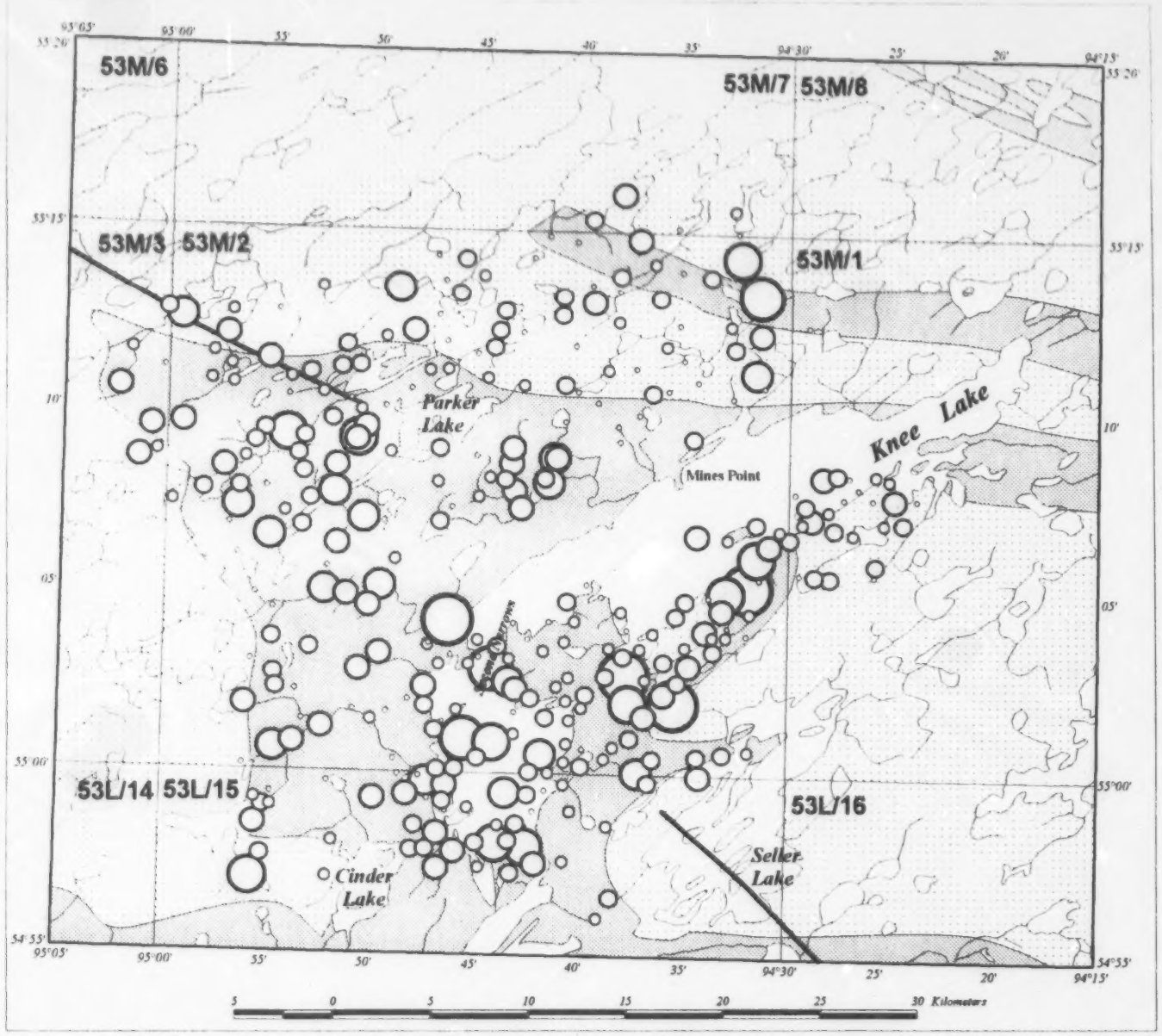
- Intrusive rocks
- Supracrustal rocks
- Dykes

Ni (ppm)

- >1<=4 (25%tile)
- >5<=7 (50%tile)
- >7<=10 (75%tile)
- >10<=12 (90%tile)
- >12<=16 (95%tile)
- >16<=19 (98%tile)
- >21<=24 (99%tile)
- >26<=37 (100%tile)

Humus (-80 mesh) 331 samples ICP-AES

Appendix H-3-5



Legend

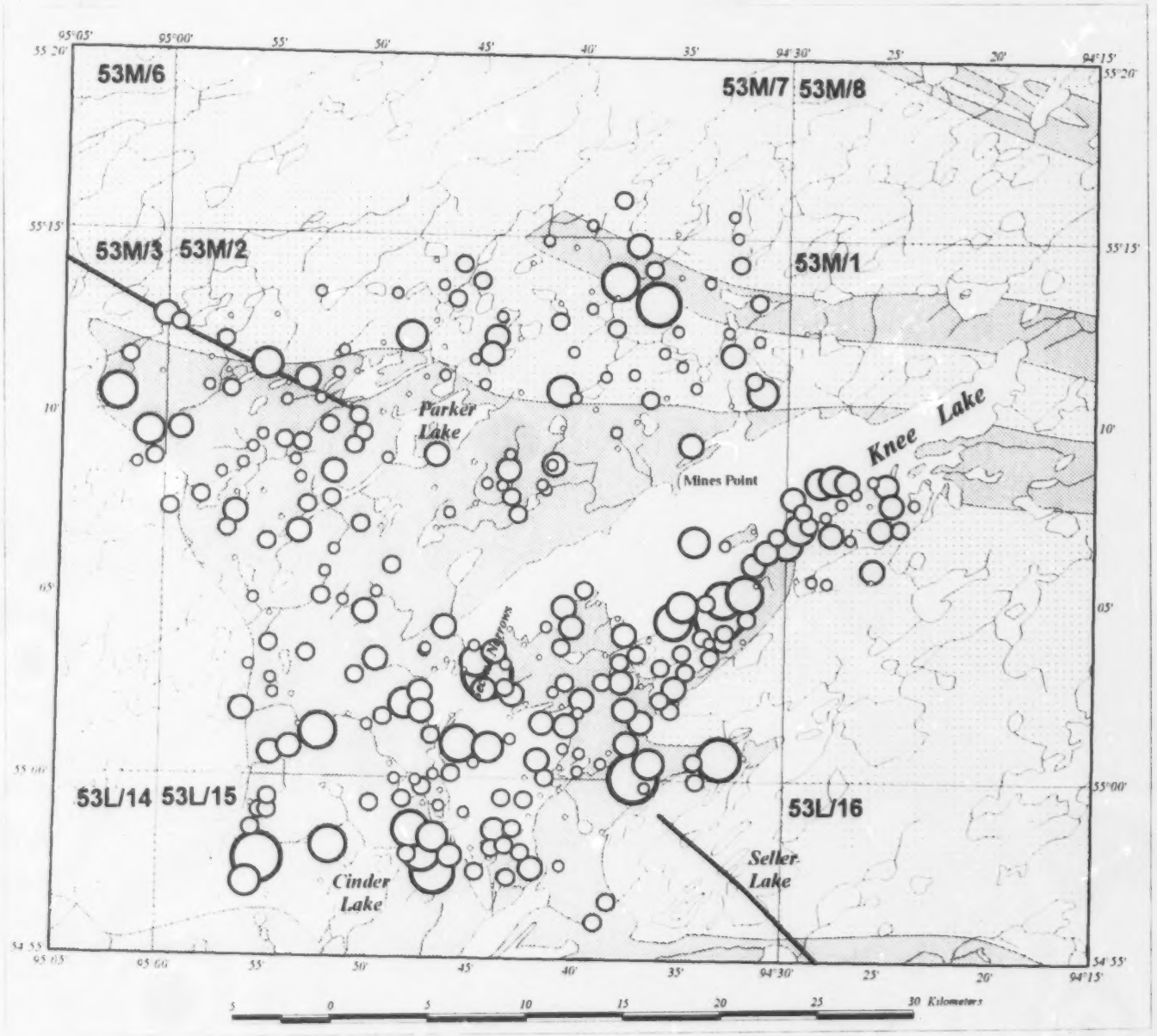
- Intrusive rocks
- Supracrustal rocks
- Dykes

Pb (ppm)

- >2<=2 (25%tile)
- >2<=7 (50%tile)
- >7<=12 (75%tile)
- >12<=18 (90%tile)
- >18<=20 (95%tile)
- >20<=23 (98%tile)
- >23<=25 (99%tile)
- >26<=39 (100%tile)

Humus (-80 mesh) 331 samples ICP-AES

Appendix H-3-6



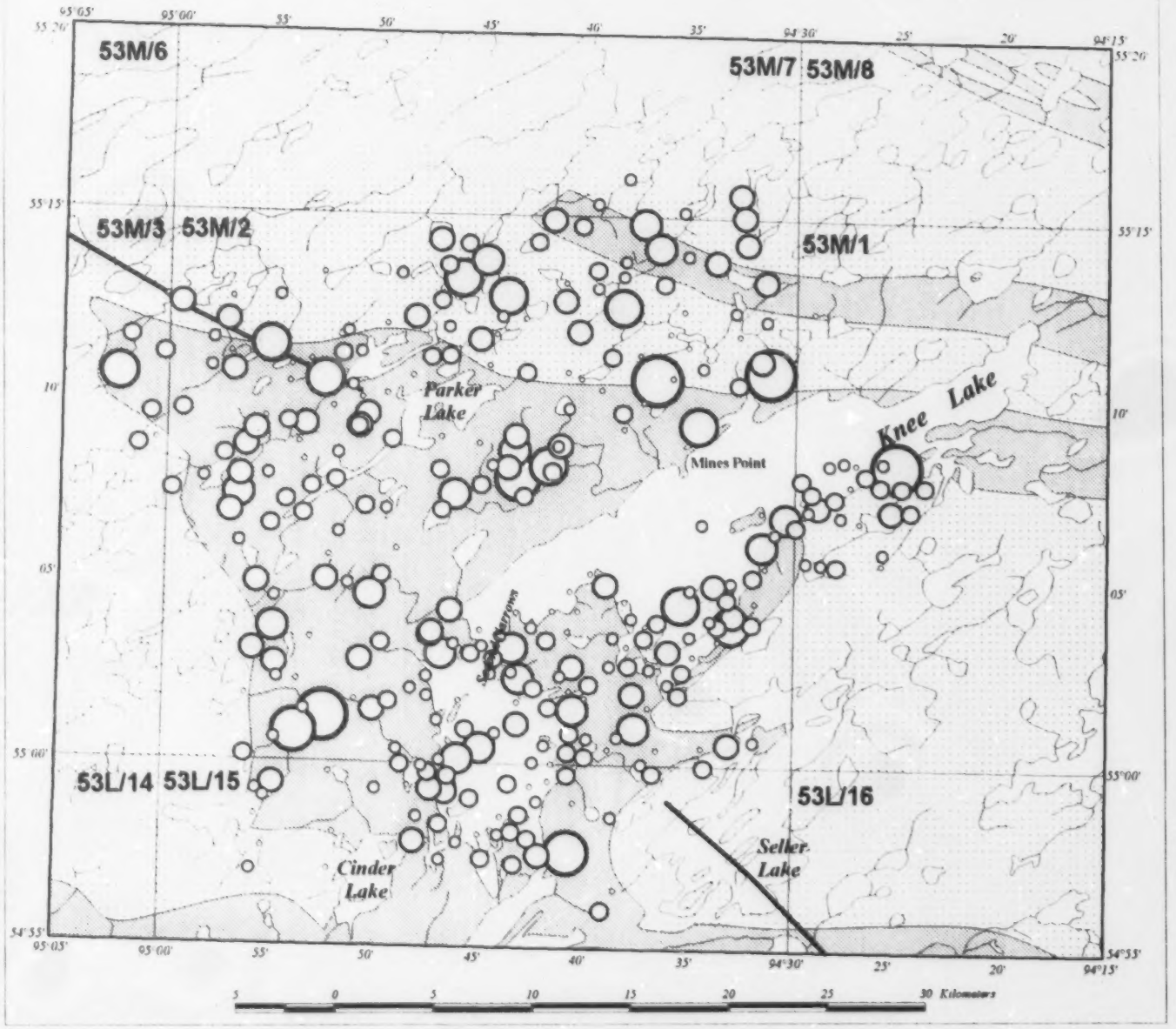
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Zn (ppm)

- >4<=13 (25%tile)
- >13<=18 (50%tile)
- >18<=26 (75%tile)
- >26<=37 (90%tile)
- >38<=52 (95%tile)
- >52<=74 (98%tile)
- >75<=86 (99%tile)
- >87<=125 (100%tile)

Humus (-80 mesh) 331 samples ICP-AES



Legend

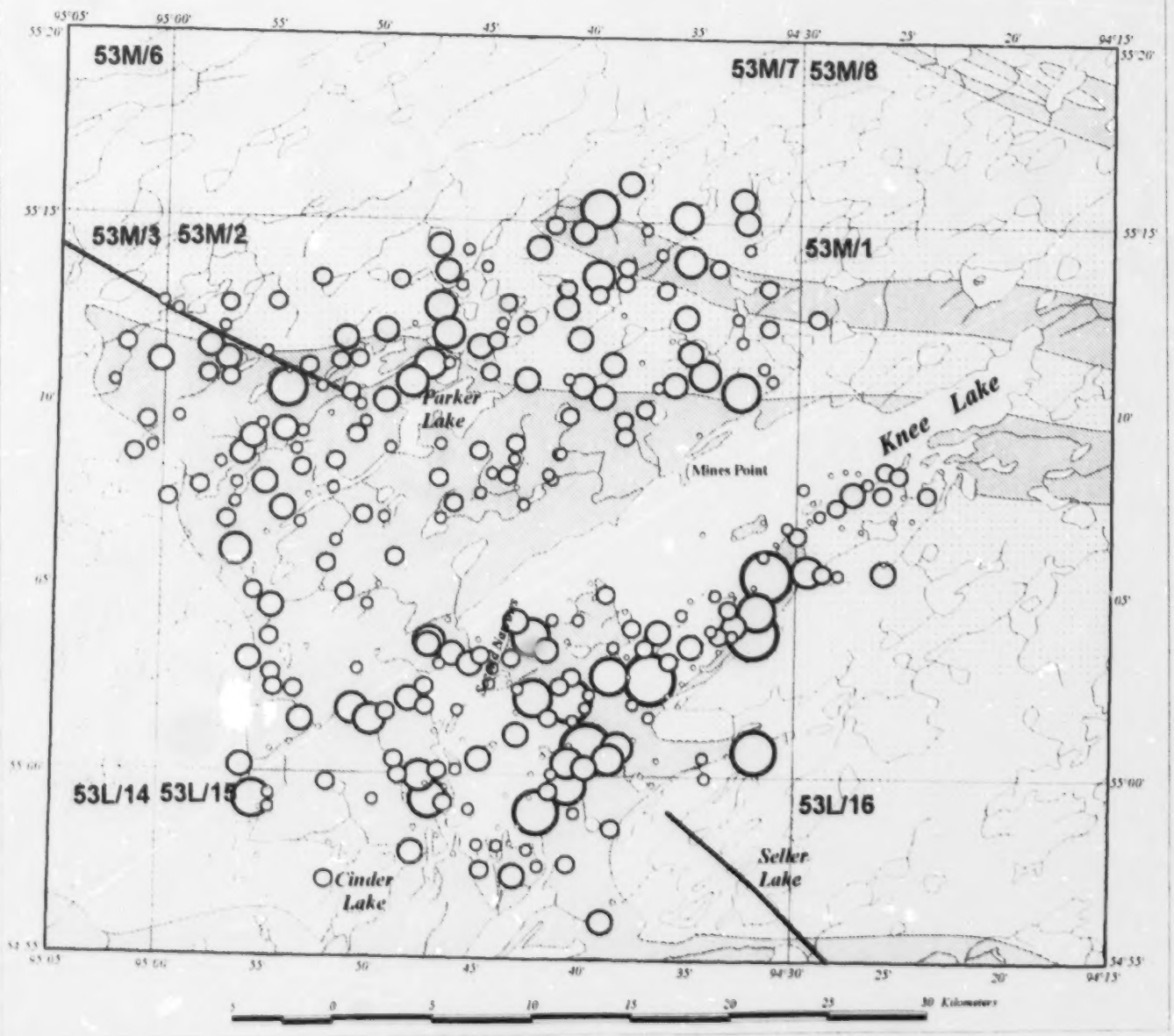
- Intrusive rocks
- Supracrustal rocks
- Dykes

Al (wt.%)

- >0.12<=0.42 (25%tile)
- >0.42<=0.91 (50%tile)
- >0.92<=1.42 (75%tile)
- >1.43<=1.93 (90%tile)
- >1.96<=2.50 (95%tile)
- >2.52<=2.94 (98%tile)
- >2.96<=3.07 (99%tile)
- >3.35<=3.62 (100%tile)

Humus (-80 mesh) 331 samples ICP-AES

Appendix H-3-8



Legend

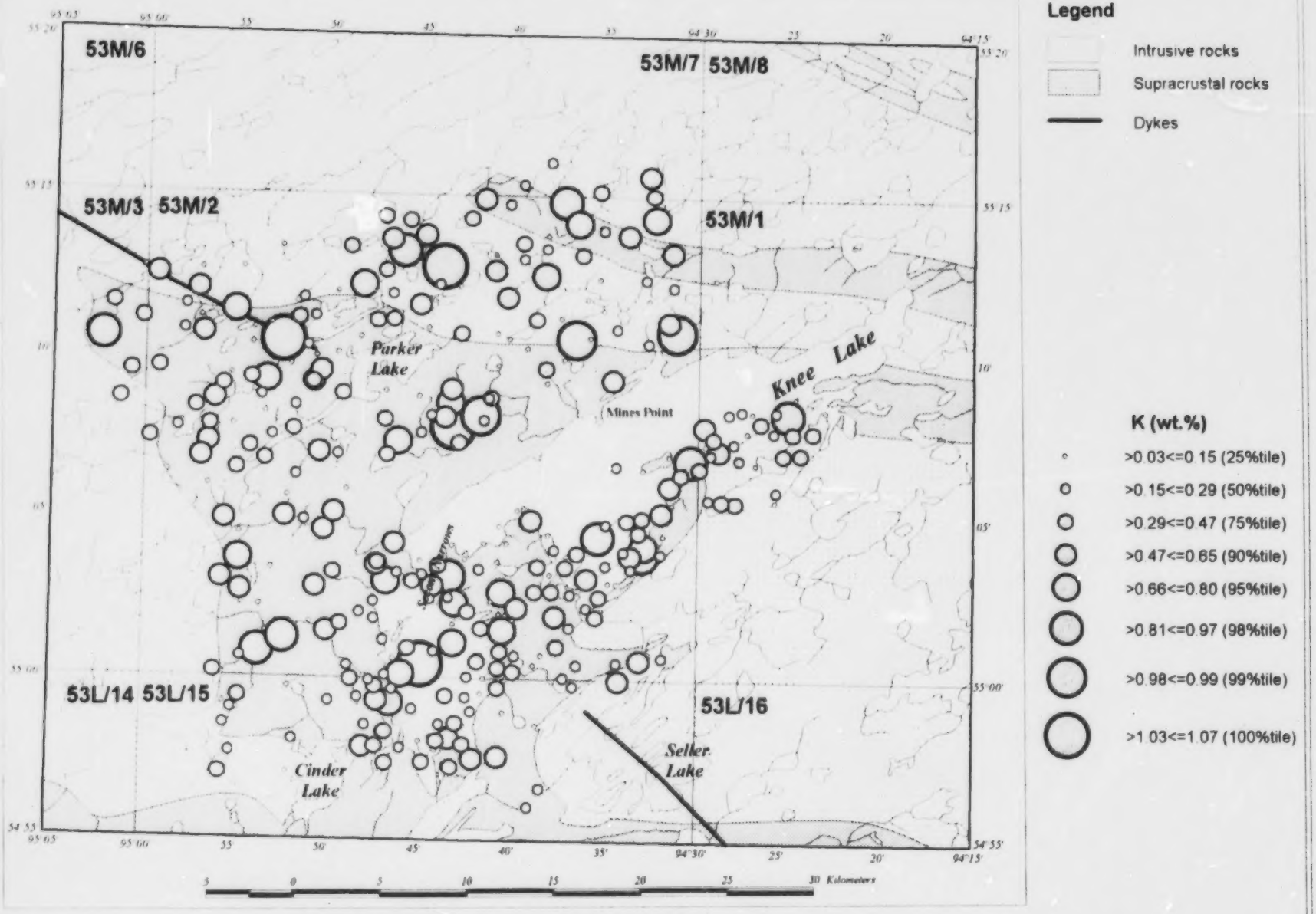
- Intrusive rocks
- Supracrustal rocks
- Dykes

Ca (wt.%)

- >0.15<=2.39 (25%tile)
- >2.40<=3.79 (50%tile)
- >3.84<=4.64 (75%tile)
- >4.64<=5.32 (90%tile)
- >5.36<=5.75 (95%tile)
- >5.80<=6.18 (98%tile)
- >6.21<=6.25 (99%tile)
- >6.31<=6.79 (100%tile)

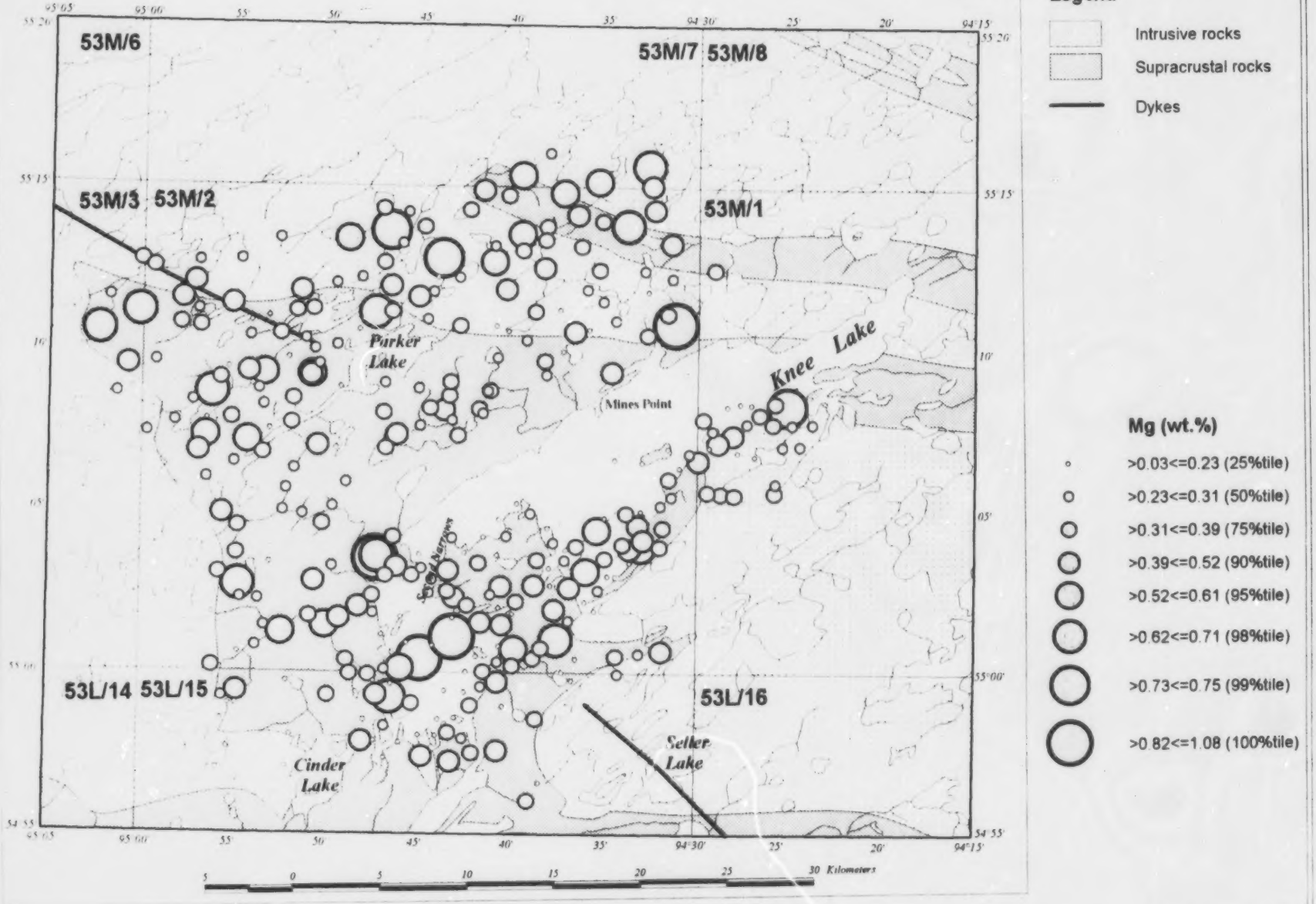
Humus (-80 mesh) 331 samples ICP-AES

Appendix H-3-9

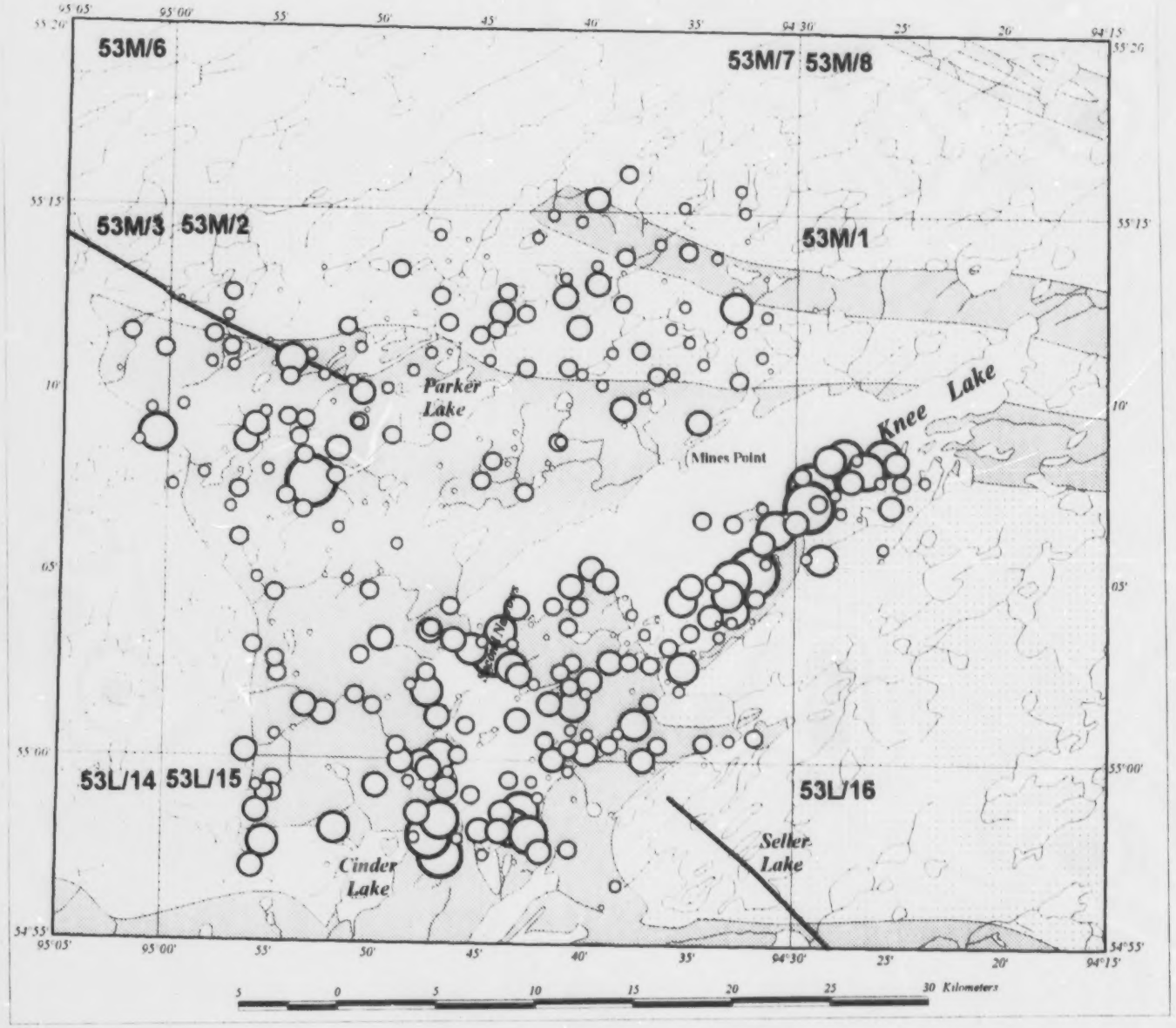


Humus (-80 mesh) 331 samples ICP-AES

Appendix H-3-10



Humus (-80 mesh) 331 samples ICP-AES



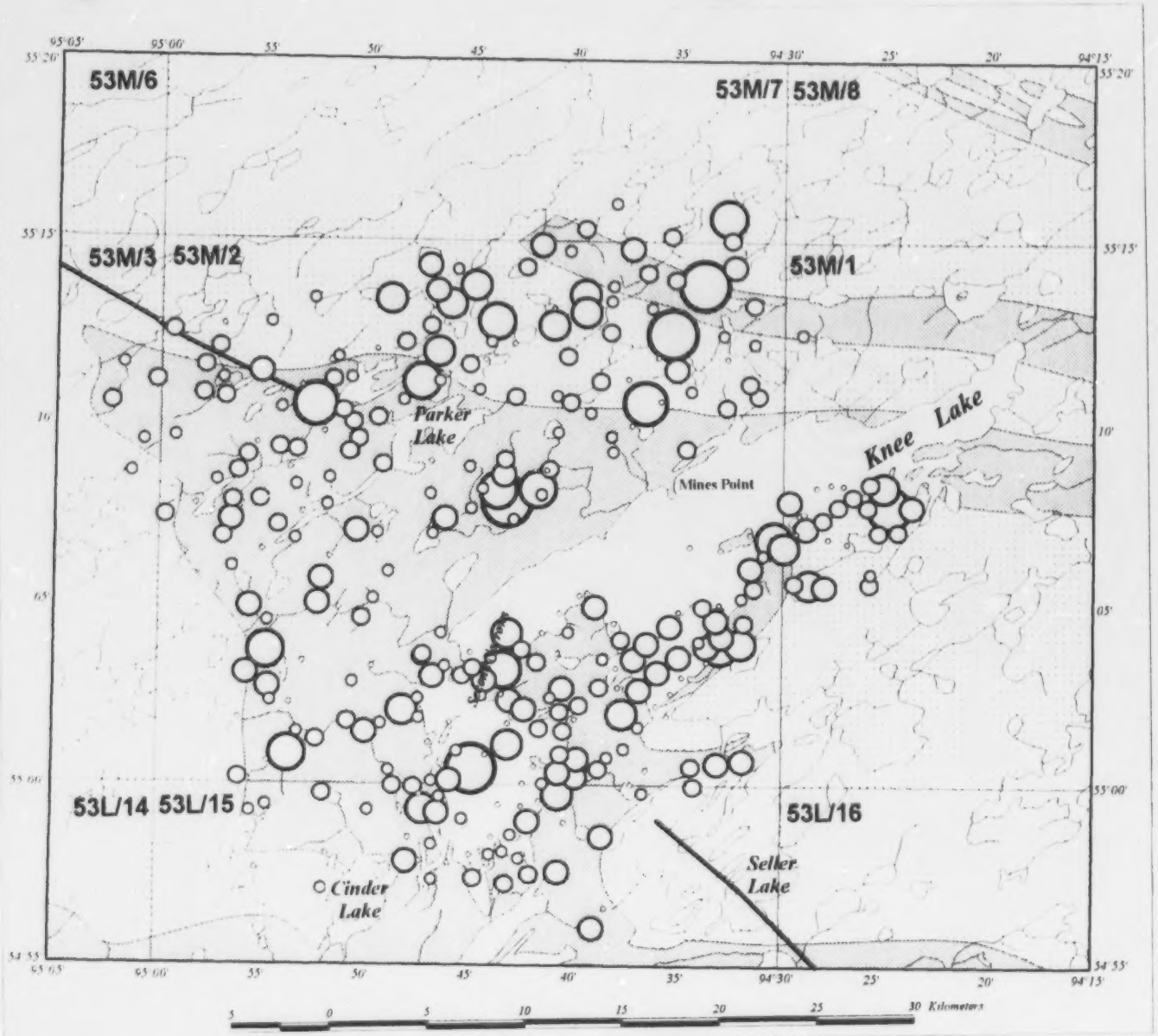
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

P (wt.%)

- >0.031<=0.055 (25%tile)
- >0.055<=0.063 (50%tile)
- >0.064<=0.073 (75%tile)
- >0.074<=0.086 (90%tile)
- >0.086<=0.103 (95%tile)
- >0.106<=0.127 (98%tile)
- >0.129<=0.133 (99%tile)
- >0.134<=0.217 (100%tile)

Humus (-80 mesh) 331 samples ICP-AES



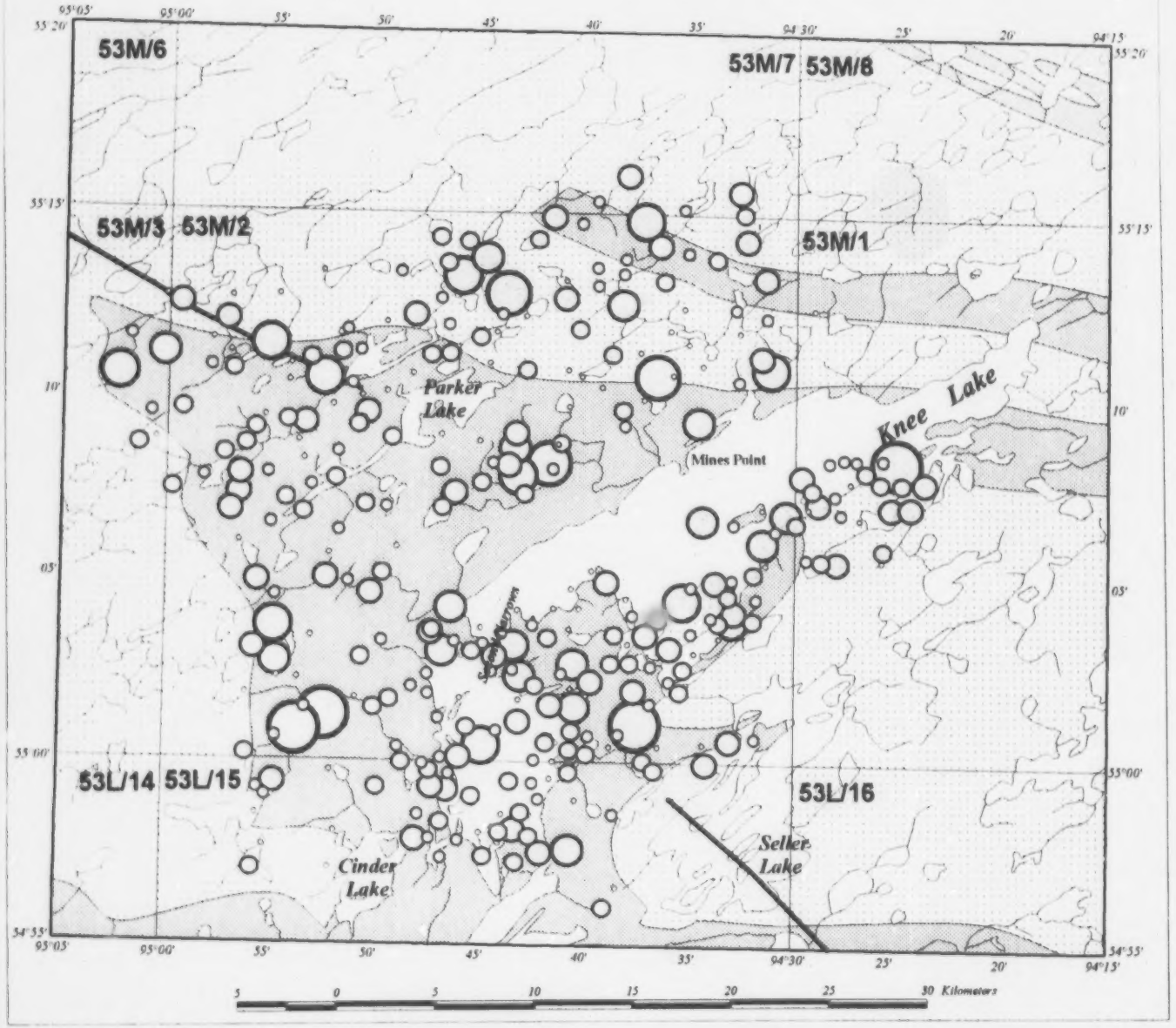
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Sr (ppm)

- >10<=43 (25%tile)
- >43<=64 (50%tile)
- >64<=84 (75%tile)
- >84<=103 (90%tile)
- >104<=111 (95%tile)
- >113<=129 (98%tile)
- >130<=137 (99%tile)
- >138<=180 (100%tile)

Humus (-80 mesh) 331 samples ICP-AES



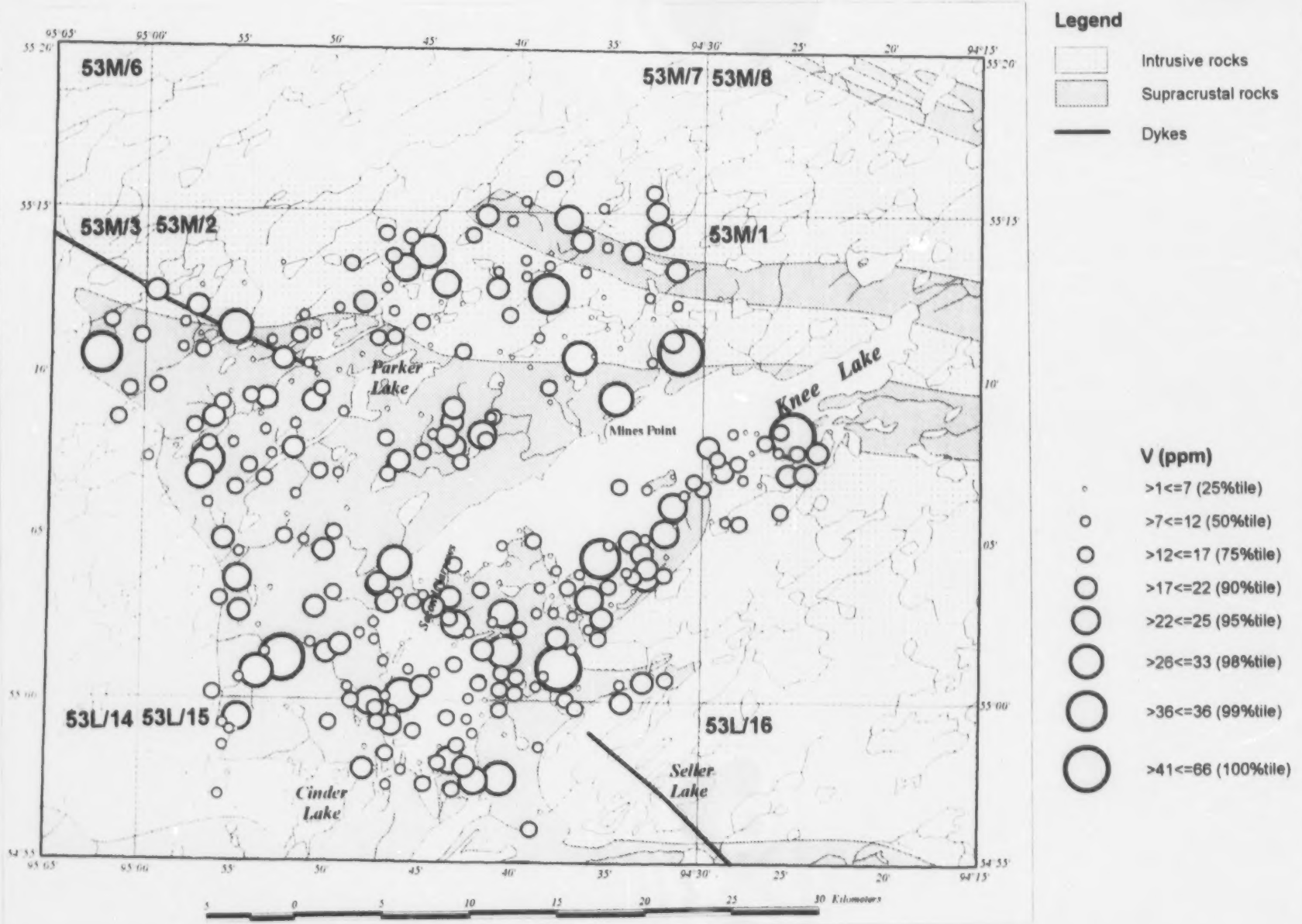
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

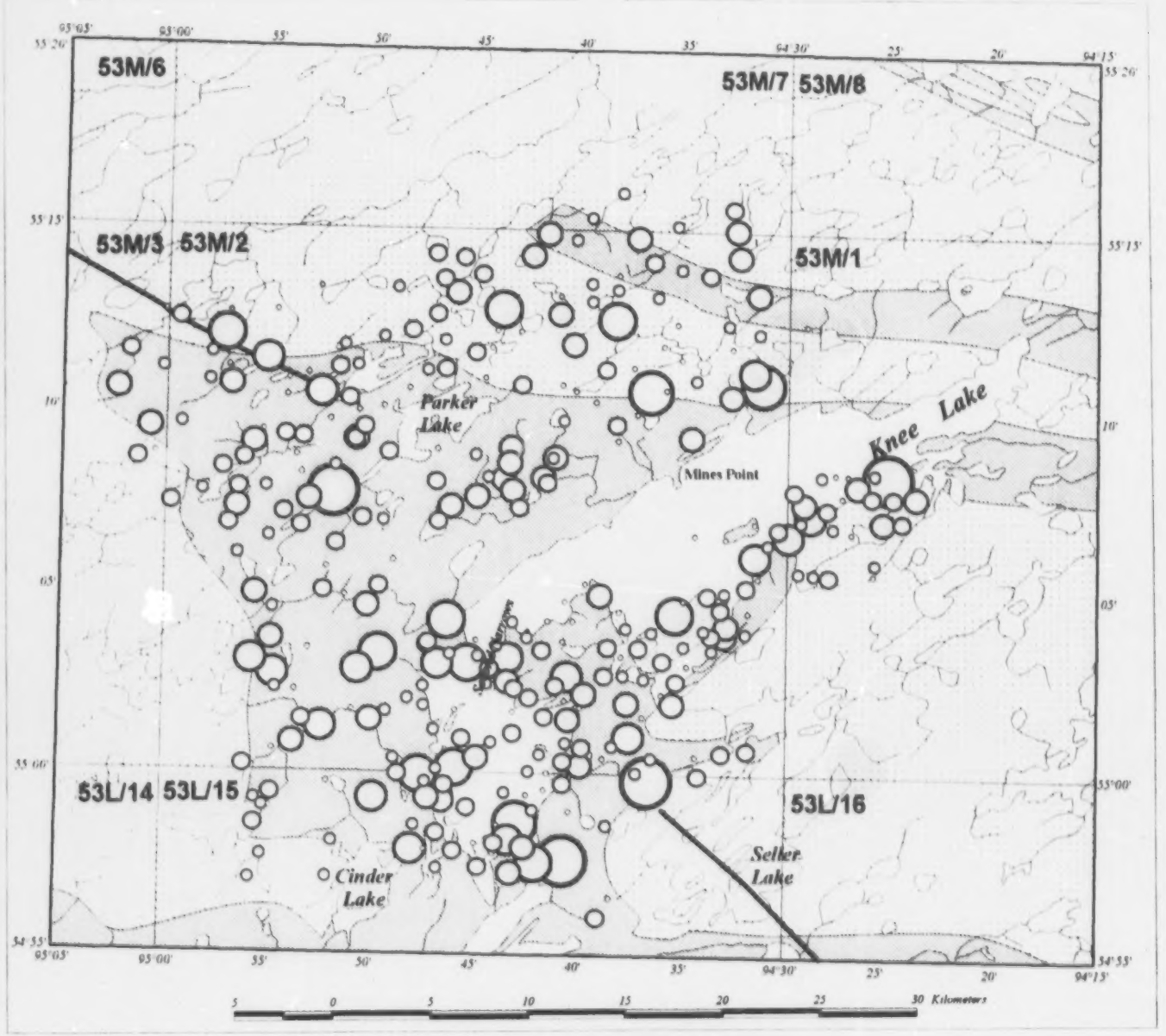
Ti (wt.%)

- >0.01<=0.03 (25%tile)
- >0.03<=0.05 (50%tile)
- >0.05<=0.08 (75%tile)
- >0.08<=0.11 (90%tile)
- >0.11<=0.14 (95%tile)
- >0.14<=0.15 (98%tile)
- >0.15<=0.17 (99%tile)
- >0.17<=0.20 (100%tile)

Humus (-80 mesh) 331 samples ICP-AES



Humus (-80 mesh) 331 samples ICP-AES



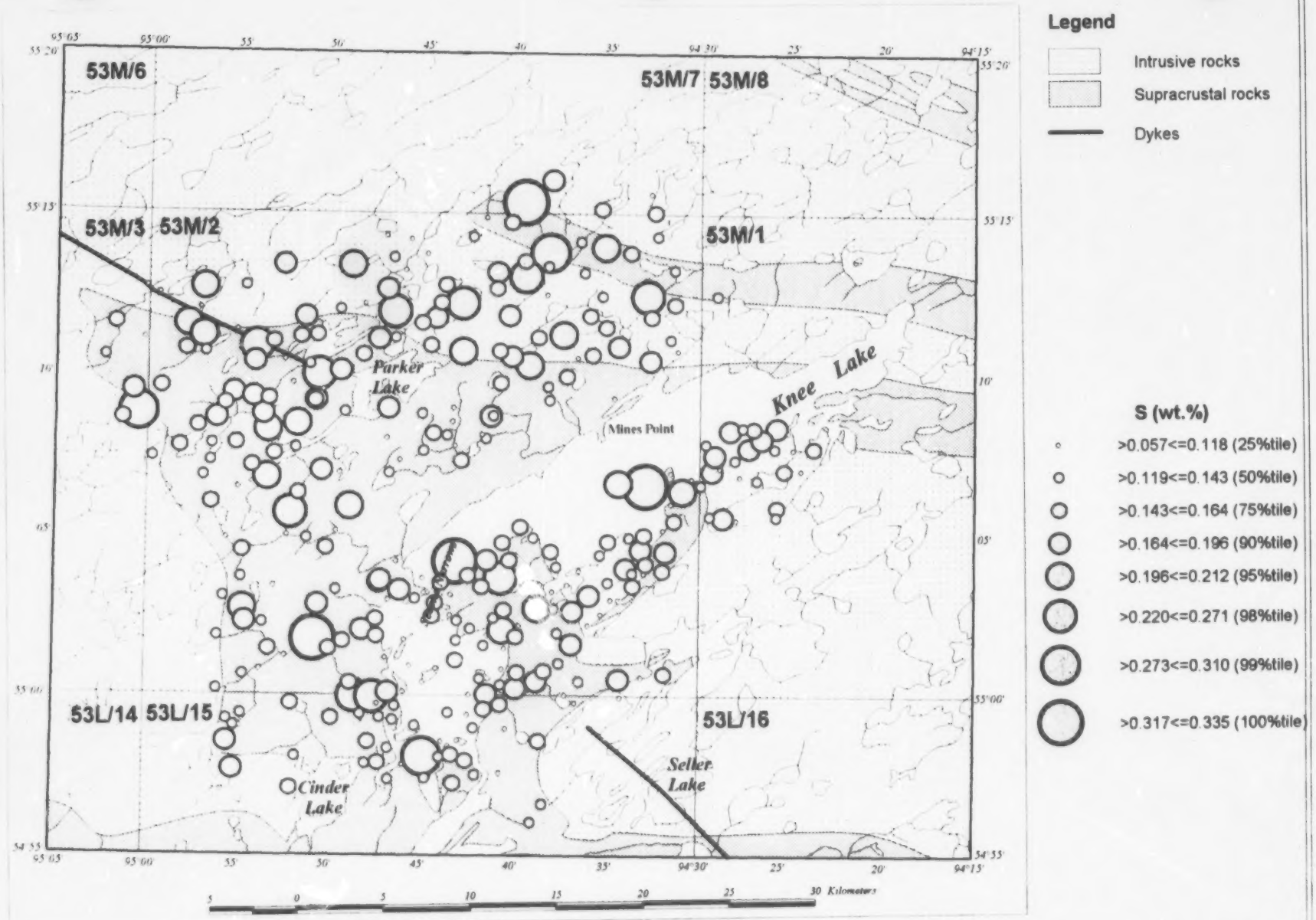
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

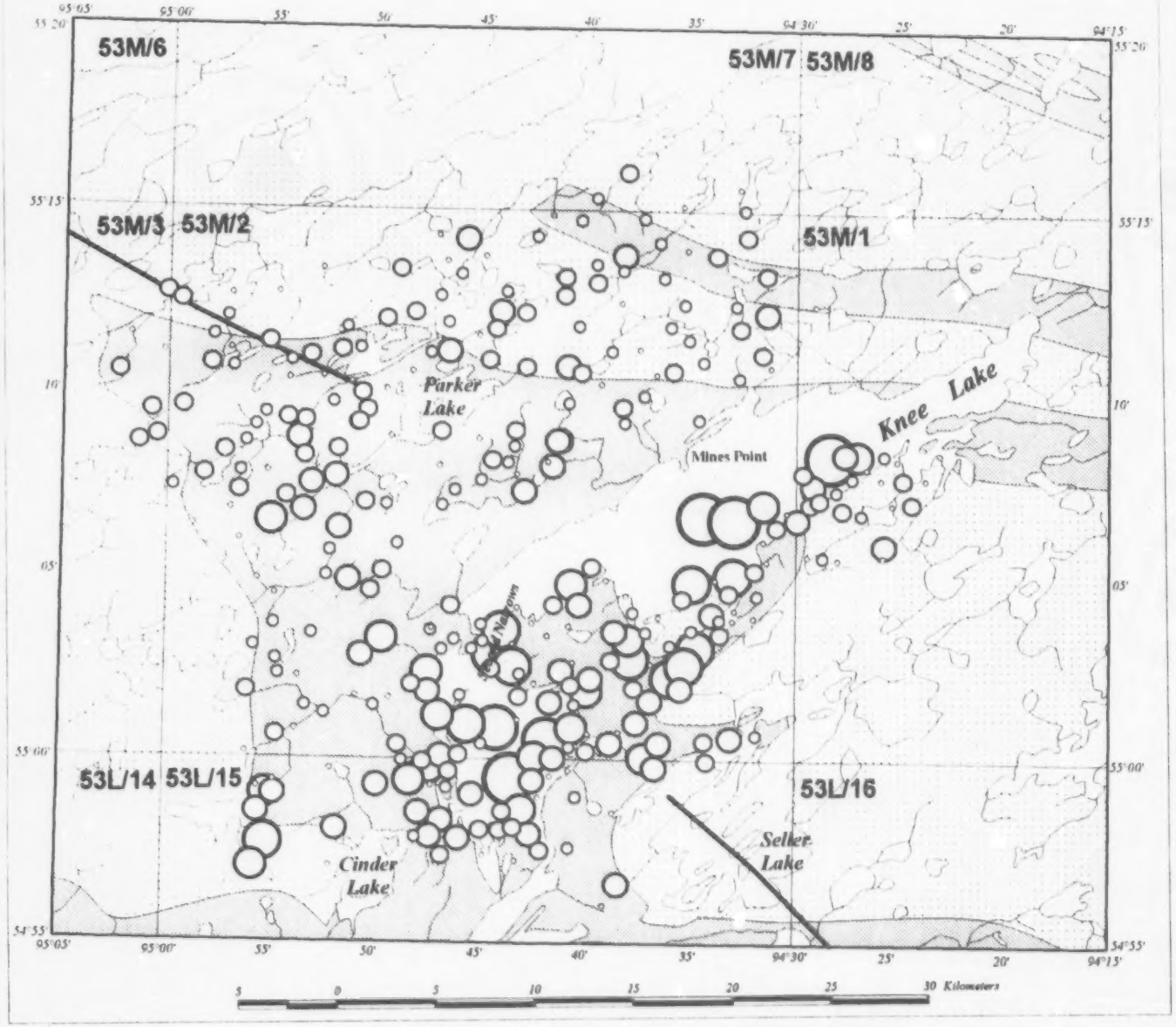
Y (ppm)

- >1<=1 (25%tile)
- >1<=3 (50%tile)
- >3<=5 (75%tile)
- >5<=7 (90%tile)
- >7<=9 (95%tile)
- >9<=12 (98%tile)
- >13<=14 (99%tile)
- >14<=17 (100%tile)

Humus (-80 mesh) 331 samples ICP-AES



Humus (-80 mesh) 331 samples ICP-AES



Legend

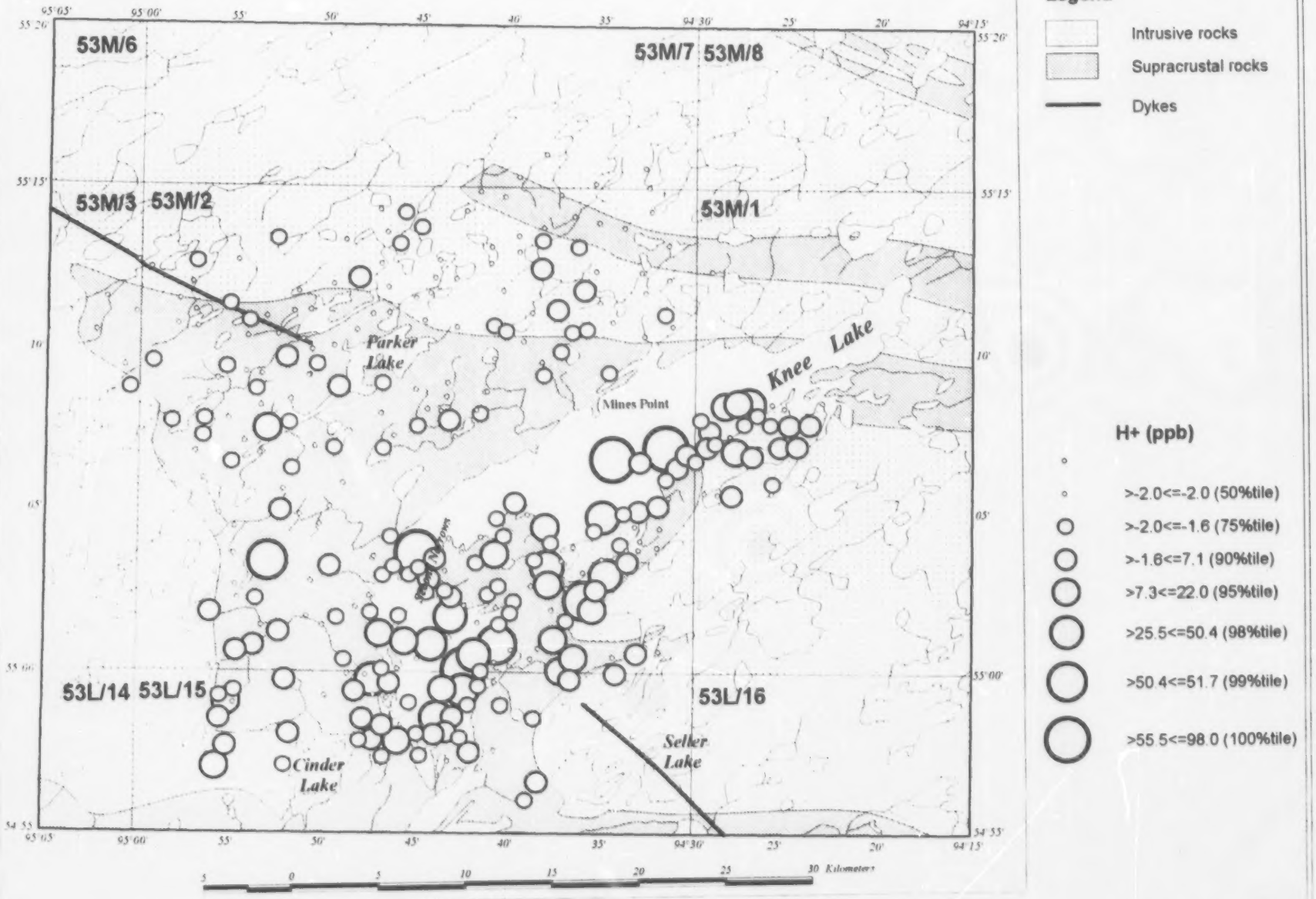
- Intrusive rocks
- Supracrustal rocks
- Dykes

Hg (ppb)

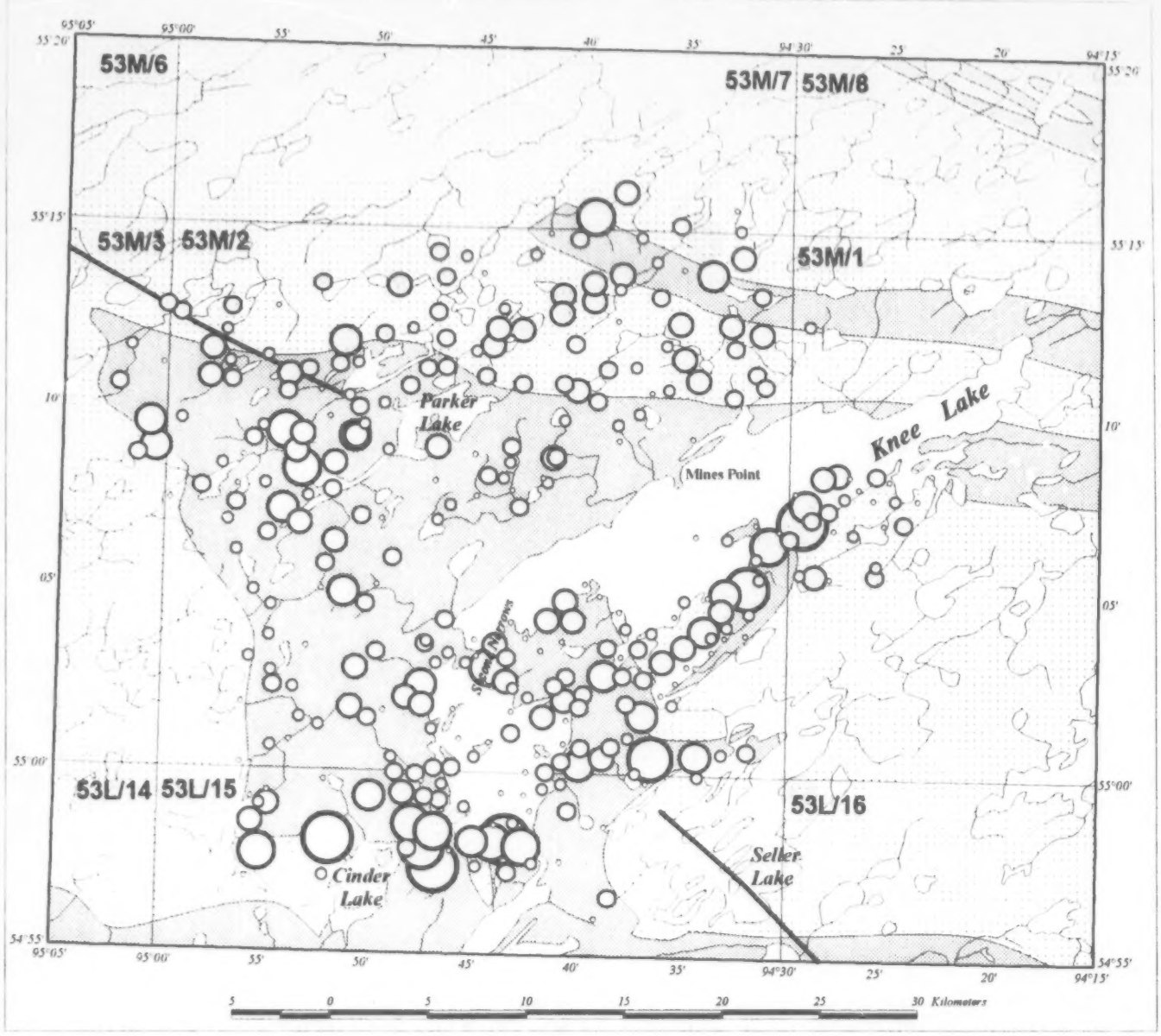
- >45<=88 (25%tile)
- >88<=110 (50%tile)
- >111<=139 (75%tile)
- >139<=170 (90%tile)
- >170<=207 (95%tile)
- >213<=261 (98%tile)
- >285<=307 (99%tile)
- >329<=397 (100%tile)

Humus (-80 mesh) 331 samples Cold Vapour/FIMS

Appendix H-3-18



Humus (-80 mesh) 331 samples ICP-AES



Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Specific conductance (mhos/cm)

- >-9.8<=14.5 (25%tile)
- >14.6<=19.1 (50%tile)
- >19.1<=24.2 (75%tile)
- >24.3<=29.6 (90%tile)
- >29.7<=35.7 (95%tile)
- >36.6<=41.6 (98%tile)
- >48.4<=52.6 (99%tile)
- >54.3<=82.3 (100%tile)

Humus (-80 mesh) 331 samples ICP-AES

Appendix H-4

INA Analyses.

Sample Site	UTM		Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc
	Easting	Northing	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
2000H-1	376811.59	6095036.00	1	1	0.8	58	16.0	5.0	1.0	4	0.3	0.25	0.3	0.3	2.5	0.7	751	5	7.5	0.1	0.8
2000H-2	377219.03	6094650.00	1	1	0.9	67	8.1	0.5	0.5	5	0.6	0.21	0.3	0.3	2.5	0.3	840	5	7.5	0.2	0.7
2000H-3	376792.44	6093754.00	1	1	1.3	63	8.9	2.0	1.0	4	0.3	0.24	0.3	0.3	2.5	0.3	413	5	7.5	0.3	0.7
2000H-4	377113.03	6092150.50	1	1	0.7	70	13.0	1.7	0.5	3	0.3	0.13	0.3	0.3	2.5	0.3	351	5	7.5	0.1	0.4
2000H-5	376519.25	6090956.50	1	1	1.1	150	2.7	0.3	1.0	7	1.5	0.29	0.7	0.3	2.5	0.3	1290	5	24.0	0.4	1.2
2000H-6	380742.38	6092790.50	1	1	0.3	53	8.4	1.2	0.5	3	0.3	0.13	0.3	0.3	2.5	0.3	442	5	7.5	0.2	0.4
2000H-7	380452.84	6090959.50	1	1	0.8	50	17.0	4.6	0.5	4	0.3	0.15	0.3	0.3	2.5	0.3	367	5	7.5	0.2	0.6
2000H-8	384794.28	6092294.50	1	1	1.0	150	17.0	5.1	4.0	20	1.0	0.85	1.7	0.3	2.5	0.8	2600	5	25.0	0.2	3.1
2000H-9	384964.69	6093535.50	1	1	0.8	64	9.4	1.2	0.5	5	0.3	0.22	0.3	0.3	2.5	0.3	775	5	7.5	0.2	0.7
2000H-10	386124.94	6091321.50	1	1	0.8	110	11.0	1.9	3.0	9	0.8	0.38	0.3	0.3	2.5	0.3	789	5	7.5	0.2	1.2
2000H-11	385538.47	6092322.50	1	1	0.6	25	8.6	1.5	2.0	5	0.7	0.22	0.3	0.3	2.5	0.3	575	5	7.5	0.2	0.7
2000H-12	386406.75	6094751.50	2	1	1.5	210	17.0	4.7	3.0	18	1.0	0.75	1.7	0.3	2.5	1.2	3410	16	27.0	0.2	3.0
2000H-13	382872.97	6094968.00	1	1	1.5	100	13.0	3.9	3.0	12	0.9	0.56	0.7	0.3	2.5	1.5	817	5	7.5	0.5	2.0
2000H-14	384536.25	6095146.50	1	1	1.4	25	10.0	1.4	0.5	4	0.3	0.15	0.3	0.3	2.5	0.3	452	5	7.5	0.3	0.5
2000H-15	385545.63	6095757.00	1	1	1.4	140	7.6	0.7	2.0	12	0.9	0.46	1.0	0.3	2.5	1.8	1490	5	7.5	0.4	1.7
2000H-16-1 Field Duplicate	389243.59	6093479.00	1	1	0.6	25	7.7	0.2	0.5	2	0.6	0.08	0.3	0.3	2.5	0.3	291	5	7.5	0.2	0.3
2000H-16-2 Field Duplicate	389243.59	6093479.00	1	1	0.7	64	6.5	0.3	0.5	4	0.3	0.14	0.3	0.3	2.5	0.3	553	5	7.5	0.2	0.6
2000H-17	388099.72	6092595.00	1	1	1.8	25	30.0	2.8	0.5	3	0.3	0.13	0.3	0.3	2.5	1.4	465	5	7.5	0.2	0.4
2000H-18	386987.81	6092178.00	1	1	2.0	25	9.6	0.7	1.0	7	0.3	0.37	0.3	0.3	2.5	1.6	643	5	7.5	0.3	1.3
2000H-24	389871.75	6091013.50	1	1	1.4	130	15.0	5.0	2.0	12	0.8	0.57	0.9	0.3	2.5	0.3	1274	5	7.5	0.2	2.0
2000H-25	388257.63	6091353.50	1	1	1.1	140	16.0	4.9	3.0	17	1.1	0.81	0.8	0.3	2.5	0.6	943	5	20.0	0.2	2.4
2000H-27	387695.53	6094386.00	1	1	1.0	110	19.0	3.1	3.0	11	0.6	0.51	0.8	0.3	2.5	1.1	1470	5	7.5	0.2	1.9
2000H-28	392562.69	6091566.00	1	1	0.7	260	28.0	3.9	11.0	44	1.2	1.48	2.1	0.3	2.5	0.3	3425	5	22.0	0.1	7.1
2000H-29	392950.53	6094153.50	1	1	1.7	25	13.0	4.3	0.5	2	0.3	0.11	0.3	0.3	2.5	1.0	236	5	7.5	0.1	0.3
2000H-30	387156.56	6099410.50	1	1	0.7	25	15.0	3.4	0.5	4	0.3	0.16	0.3	0.3	2.5	0.3	580	5	7.5	0.1	0.7
2000H-31	386046.34	6098399.00	1	1	1.3	77	6.7	0.4	1.0	8	0.6	0.27	0.6	0.3	2.5	0.3	1120	5	7.5	0.3	1.1
2000H-33	387468.13	6097904.00	1	1	2.0	140	13.0	0.9	1.0	9	0.3	0.53	1.3	0.3	2.5	0.3	2080	5	7.5	0.3	1.4
2000H-34	387794.94	6101729.00	1	1	1.6	140	17.0	4.8	3.0	15	0.3	0.74	1.3	0.3	2.5	0.3	2260	14	7.5	0.1	3.0
2000H-35-1 Field Duplicate	386267.97	6101746.50	1	1	1.4	170	4.7	1.7	3.0	17	0.7	0.74	4.0	0.3	2.5	0.3	8200	5	24.0	0.2	4.1
2000H-35-2 Field Duplicate	386267.97	6101746.50	1	1	1.5	110	10.0	3.8	3.0	8	0.3	0.49	1.4	0.3	2.5	0.7	2360	5	7.5	0.1	1.9
2000H-36	385510.63	6100612.00	1	1	2.8	84	19.0	3.9	1.0	5	0.3	0.24	0.5	0.3	2.5	0.3	846	10	7.5	0.3	0.9
2000H-37	394285.81	6088654.00	1	1	0.9	65	12.0	4.6	3.0	12	0.8	0.65	0.6	0.3	2.5	0.3	742	5	7.5	0.1	2.1
2000H-38	394987.06	6089686.50	1	1	0.9	25	11.0	0.9	0.5	3	0.3	0.13	0.3	0.3	2.5	0.3	635	5	7.5	0.3	0.5
2000H-39	394829.91	6093366.00	1	1	0.7	74	15.0	4.2	1.0	7	0.3	0.35	0.5	0.3	2.5	0.3	510	5	7.5	0.1	1.3
2000H-40	396930.69	6095529.50	1	1	1.9	110	10.0	1.6	3.0	8	0.6	0.49	0.3	0.3	2.5	0.3	952	5	16.0	0.2	2.2
2000H-41	397175.34	6096765.50	1	1	0.9	61	5.9	1.0	0.5	3	0.3	0.16	0.3	0.3	2.5	0.3	485	5	7.5	0.2	0.6
2000H-42	392622.44	6095510.50	1	1	0.7	140	18.0	5.3	3.0	12	0.5	0.46	1.4	0.3	2.5	0.3	2710	5	16.0	0.2	2.2
2000H-43	399444.06	6096834.00	1	1	1.9	25	13.0	3.5	1.0	4	0.3	0.18	0.3	0.3	2.5	0.3	518	5	7.5	0.3	0.7
2000H-44	396369.22	6096019.00	1	1	1.5	110	5.3	0.4	2.0	10	0.5	0.41	0.7	0.3	2.5	0.3	1100	5	7.5	0.3	3.2
2000H-45	395159.84	6097386.00	1	1	1.0	78	13.0	4.9	2.0	4	0.3	0.23	0.3	0.3	2.5	0.3	502	5	7.5	0.1	1.1
2000H-46	396015.28	6097819.50	1	1	1.8	85	12.0	1.1	8.0	28	0.7	1.85	1.6	0.3	2.5	0.3	3670	5	7.5	0.4	8.9
2000H-47	396755.06	6098921.50	1	1	1.6	75	21.0	3.4	1.0	4	0.3	0.17	0.3	0.3	2.5	0.6	501	5	7.5	0.2	0.7
2000H-48	395938.59	6099589.00	1	1	2.8	120	10.0	2.9	3.0	14	1.0	0.70	1.1	0.3	2.5	0.3	1800	5	24.0	0.3	2.5
2000H-49	396828.66	6100814.00	1	1	0.7	92	19.0	5.8	2.0	6	0.5	0.30	0.3	0.3	2.5	0.3	988	5	7.5	0.1	1.2
2000H-50	394790.84	6100997.50	1	1	1.7	110	20.0	4.7	2.0	7	0.3	0.33	0.7	0.3	2.5	0.3	1690	5	7.5	0.2	1.3
2000H-51	393755.47	6100100.50	1	1	2.3	100	11.0	2.4	6.0	12	1.0	0.53	1.1	0.3	2.5	0.3	1960	5	21.0	0.2	2.4
2000H-52	400768.63	6096955.50	1	1	1.8	140	12.0	1.2	4.0	14	1.0	0.63	1.3	0.3	2.5	0.3	2560	5	7.5	0.3	2.5
2000H-53-1 Field Duplicate	399544.66	6095816.50	1	1	1.3	130	5.6	1.8	3.0	13	1.2	0.54	1.4	0.3	2.5	0.3	2820	5	23.0	0.3	2.3

Sample Site	UTM		Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc
	Easting	Northing	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
2000H-53-2 Field Duplicate	399544.66	6095816.50	1	1	1.8	130	5.5	2.1	3.0	14	1.0	0.56	1.6	0.3	2.5	0.3	3100	5	18.0	0.3	2.3
2000H-54	402068.50	6097093.50	1	1	0.8	100	16.0	5.5	2.0	7	0.3	0.34	0.6	0.3	2.5	0.3	816	5	7.5	0.1	1.4
2000H-55	390952.91	6099942.50	1	1	0.9	92	13.0	4.6	2.0	7	0.3	0.36	1.5	0.3	2.5	0.3	2540	5	7.5	0.1	1.5
2000H-56	397265.06	6103193.00	1	1	0.9	110	14.0	4.3	2.0	8	0.3	0.35	1.6	0.3	2.5	0.3	2910	5	7.5	0.1	1.5
2000H-57	395006.56	6102457.50	1	1	2.1	94	8.5	3.1	2.0	8	0.5	0.37	1.2	0.3	2.5	0.3	1940	5	7.5	0.2	1.6
2000H-58	395716.94	6102027.50	1	1	2.0	52	9.0	0.3	0.5	2	0.3	0.08	0.3	0.3	2.5	0.3	333	5	7.5	0.3	0.4
2000H-59	392717.81	6102808.00	1	1	1.2	55	38.0	1.1	1.0	2	0.3	0.13	0.3	0.3	2.5	0.3	195	5	7.5	0.1	0.3
2000H-60	395773.38	6101007.00	1	1	2.8	120	11.0	0.8	2.0	7	0.3	0.35	0.7	0.3	2.5	0.7	1100	5	7.5	0.5	1.4
2000H-61	392900.03	6100991.00	1	1	1.6	270	15.0	4.4	7.0	29	1.5	1.06	2.3	0.3	2.5	0.3	4280	36	24.0	0.2	4.2
2000H-62	389885.03	6101959.00	1	1	1.2	150	12.0	3.4	3.0	15	0.7	0.69	1.8	0.3	2.5	0.3	5100	5	20.0	0.1	2.8
2000H-63	391621.97	6102347.50	1	1	0.6	130	13.0	4.6	2.0	11	0.6	0.55	0.6	0.3	2.5	0.3	859	5	7.5	0.1	1.8
2000H-64	392280.47	6100523.00	1	1	1.9	140	18.0	3.7	3.0	7	0.6	0.40	0.3	0.3	2.5	0.3	461	5	7.5	0.3	1.4
2000H-65	393553.56	6099419.00	1	1	2.0	70	15.0	2.5	0.5	4	0.3	0.15	0.3	0.3	2.5	0.3	383	5	7.5	0.3	0.7
2000H-66	394714.06	6096812.00	1	1	1.8	73	23.0	4.7	1.0	4	0.3	0.22	0.3	0.3	2.5	0.3	458	5	7.5	0.2	0.7
2000H-67	397742.78	6100050.50	1	1	1.4	66	8.5	0.3	0.5	4	0.3	0.18	0.3	0.3	2.5	0.3	725	5	7.5	0.3	0.7
2000H-68	399084.13	6101491.00	1	1	1.8	25	8.7	0.5	0.5	3	0.3	0.12	0.3	0.3	2.5	0.3	506	5	7.5	0.3	0.5
2000H-69-1 Field Duplicate	398290.31	6099503.50	1	1	2.0	120	7.0	0.8	3.0	11	0.6	0.54	0.6	0.3	2.5	0.3	1210	5	16.0	0.4	2.0
2000H-69-2 Field Duplicate	398290.31	6099503.50	1	1	1.9	100	7.6	0.9	2.0	9	0.6	0.45	0.5	0.3	2.5	0.3	1050	5	7.5	0.4	1.7
2000H-70	393255.56	6103846.50	1	1	2.4	55	15.0	3.3	5.0	3	0.3	0.23	0.3	0.3	2.5	2.4	315	5	7.5	0.3	0.4
2000H-71	399944.16	6103230.00	1	1	2.0	62	20.0	2.9	1.0	6	0.5	0.36	0.3	0.3	2.5	0.6	595	5	7.5	0.3	1.1
2000H-72	402259.69	6104161.50	1	1	1.1	76	27.0	5.5	1.0	4	0.3	0.18	0.3	0.3	2.5	0.3	424	5	7.5	0.2	0.7
2000H-73	402783.03	6105930.50	1	1	0.5	60	20.0	6.3	0.5	2	0.3	0.14	0.3	0.3	2.5	0.3	412	5	7.5	0.1	0.5
2000H-74	404843.22	6106167.00	1	1	0.9	25	18.0	5.2	0.5	5	0.3	0.25	0.6	0.3	2.5	0.3	1110	5	7.5	0.1	1.0
2000H-75	404345.91	6107971.00	1	1	1.9	150	11.0	2.9	3.0	9	0.7	0.55	0.6	0.3	2.5	0.3	1160	5	7.5	0.3	2.2
2000H-76-1 Field Duplicate	405489.13	6108952.50	1	1	1.6	120	12.0	3.2	2.0	12	0.8	0.58	0.9	0.3	2.5	0.3	2530	5	22.0	0.3	2.2
2000H-76-2 Field Duplicate	405489.13	6108952.50	1	1	1.6	150	8.5	2.6	4.0	16	1.2	0.87	1.0	0.3	2.5	0.3	4010	5	29.0	0.2	3.0
2000H-77	407618.00	6108196.00	1	1	2.6	25	14.0	1.9	0.5	3	0.3	0.15	0.3	0.3	2.5	0.9	374	5	7.5	0.3	0.6
2000H-78	409199.56	6108708.50	1	1	0.9	140	17.0	1.6	3.0	18	1.5	0.98	1.1	0.3	2.5	0.3	1210	5	19.0	0.1	3.5
2000H-79	408686.88	6110003.50	1	1	0.9	140	16.0	3.5	2.0	9	0.8	0.62	0.6	0.3	2.5	0.3	1120	5	7.5	0.1	1.8
2000H-80	409780.19	6109958.00	1	1	2.0	110	18.0	1.3	2.0	10	0.7	0.51	0.8	0.3	2.5	0.3	1500	5	7.5	0.3	1.7
2000H-81	410936.50	6109974.50	1	1	1.0	110	14.0	3.3	3.0	12	0.7	0.65	0.8	0.3	2.5	0.3	1770	5	7.5	0.1	2.2
2000H-82	410200.44	6108716.00	1	1	1.9	130	10.0	1.7	3.0	11	1.0	0.63	0.8	0.3	2.5	0.3	1930	5	19.0	0.2	2.1
2000H-83	408701.53	6106066.50	1	1	0.9	76	18.0	4.6	0.5	3	0.3	0.13	0.3	0.3	2.5	0.3	373	5	7.5	0.1	0.5
2000H-84	393512.25	6096425.00	1	1	3.4	150	51.0	3.6	7.0	10	0.7	1.13	0.3	0.3	2.5	0.3	1060	5	7.5	0.2	1.7
2000H-85	402062.69	6103060.50	1	1	0.3	110	12.0	5.2	2.0	10	0.3	0.50	0.7	0.3	2.5	0.3	1160	5	7.5	0.1	1.5
2000H-86	405613.66	6106052.00	1	1	1.7	92	25.0	3.3	2.0	8	0.3	0.39	0.6	0.3	2.5	0.3	1450	5	7.5	0.2	1.3
2000H-87	406394.53	6105961.00	1	1	0.3	130	14.0	2.7	1.0	10	0.8	0.49	1.1	0.3	2.5	0.3	3280	5	16.0	0.1	1.9
2000H-88	406650.31	6108446.50	1	1	2.2	85	10.0	0.4	2.0	6	0.5	0.49	0.3	0.3	2.5	0.3	608	5	7.5	0.4	1.3
2000H-89	408752.84	6106602.00	1	1	1.7	54	13.0	2.0	3.0	9	0.6	0.69	0.6	0.3	2.5	1.9	783	5	7.5	0.3	1.5
2000H-90	391117.84	6091481.50	1	1	2.1	150	6.0	2.4	3.0	13	0.9	0.88	1.0	0.3	2.5	0.5	1630	5	25.0	0.3	2.8
2000H-91	390579.66	6092302.50	1	1	1.9	130	5.0	2.7	3.0	11	0.9	0.61	1.0	0.3	2.5	0.6	1420	5	25.0	0.4	2.2
2000H-93	389781.91	6092662.00	1	1	2.5	110	5.0	1.8	3.0	13	0.8	0.87	1.0	0.3	2.5	0.9	1440	24	25.0	0.3	3.2
2000H-94	389081.13	6092532.00	1	1	1.7	81	4.7	2.1	2.0	8	0.7	0.38	0.9	0.3	2.5	0.3	1530	5	23.0	0.3	1.5
2000H-96	386122.09	6093126.50	1	1	1.6	90	5.8	1.5	3.0	9	0.8	0.46	0.8	0.3	2.5	0.9	1090	5	15.0	0.2	1.5
2000H-97	385659.50	6094922.00	1	1	1.6	240	12.0	6.2	3.0	14	0.6	0.76	2.2	0.3	2.5	0.3	3500	5	17.0	0.2	2.9
2000H-98	390172.91	6093525.00	1	1	3.2	150	10.0	1.0	4.0	10	0.8	0.80	0.9	0.3	2.5	1.9	1140	5	7.5	0.4	3.7
2000H-99	391068.38	6094189.00	1	1	0.6	160	10.0	4.7	2.0	11	0.3	0.37	1.1	0.3	2.5	1.2	1790	5	7.5	0.1	1.5
2000H-100	390771.78	6095004.00	1	1	2.2	55	6.0	0.3	0.5	4	0.3	0.15	0.3	0.3	2.5	0.3	700	5	7.5	0.3	0.7
2000H-101	393612.16	6097352.00	1	1	1.5	110	19.0	5.2	3.0	14	0.3	0.44	0.7	0.3	2.5	0.3	1240	5	7.5	0.1	1.6
2000H-102-1 Field Duplicate	392650.41	6096653.00	1	1	2.0	160	10.0	5.4	3.0	13	0.3	0.71	1.8	0.3	2.5	0.3	2580	5	7.5	0.1	2.5
2000H-102-2 Field Duplicate	392650.41	6096653.00	1	1	1.7	100	11.0	3.9	2.0	10	0.3	0.38	0.9	0.3	2.5	0.3	1980	5	7.5	0.2	1.5
2000H-103	391819.38	6096113.00	1	1	1.7	25	13.0	1.9	1.0	2	0.3	0.14	0.3	0.3	2.5	1.1	273	11	7.5	0.2	0.4
2000H-104	390131.41	6099288.50	1	1	0.8	25	10.0	0.6	0.5	2	0.3	0.10	0.3	0.3	2.5	0.3	472	5	7.5	0.1	0.4
2000H-105	390189.03	6100414.50	1	1	3.1	190	12.0	2.6	4.0	23	1.0	1.35	2.5	0.3	2.5	0.8	4460	5	45.0	0.2	3.6

Sample Site	UTM Easting	UTM Northing	Au ppb	Ag ppm	As ppm	Ba ppm	Br ppm	Ca %	Co ppm	Cr ppm	Cs ppm	Fe %	Hf ppm	Hg ppm	Ir ppb	Mo ppm	Na ppm	Ni ppm	Rb ppm	Sb ppm	Sc ppm
2000H-106	388754.06	6100689.00	1	1	0.5	70	11.0	2.8	0.5	4	0.3	0.18	0.8	0.3	2.5	0.3	1350	5	7.5	0.1	0.9
2000H-107	388936.94	6101455.50	1	1	2.7	270	8.6	2.1	3.0	10	1.3	0.46	1.7	0.3	2.5	0.9	2740	5	24.0	0.4	1.8
2000H-108	385521.41	6099638.00	1	1	1.5	67	7.5	3.0	2.0	4	0.3	0.24	0.5	0.3	2.5	0.3	1060	5	7.5	0.3	1.0
2000H-109	386132.81	6096368.00	1	1	2.0	25	8.5	3.1	1.0	5	0.3	0.27	0.5	0.3	2.5	0.3	704	5	7.5	0.3	1.0
2000H-110	386549.38	6095571.00	1	1	1.9	80	7.1	1.8	5.0	7	0.3	0.39	0.8	0.3	2.5	0.3	1200	28	7.5	0.2	1.8
2000H-112	392762.47	6099792.50	1	1	1.1	67	11.0	4.3	1.0	3	0.3	0.17	0.3	0.3	2.5	0.3	403	5	7.5	0.2	0.6
2000H-113	392921.88	6098805.00	1	1	1.7	160	11.0	2.6	6.0	24	1.4	1.21	2.2	0.3	2.5	0.8	2200	5	32.0	0.2	3.7
2000H-114	392777.34	6097588.00	1	1	1.7	140	12.0	0.9	2.0	9	0.3	0.37	1.8	0.3	2.5	0.3	2990	25	7.5	0.2	1.6
2000H-115	391675.25	6095251.50	1	1	1.7	25	9.6	3.3	0.5	3	0.3	0.13	0.3	0.3	2.5	0.5	450	5	7.5	0.1	0.5
2000H-116	389621.63	6095117.50	1	1	3.1	110	10.0	1.0	2.0	9	0.8	0.45	0.9	0.3	2.5	0.3	1250	5	7.5	0.4	1.6
2000H-117	390853.22	6096177.00	1	1	1.8	67	6.4	0.3	0.5	5	0.3	0.19	0.7	0.3	2.5	0.3	1030	5	7.5	0.3	0.8
2000H-118	391438.41	6097052.00	1	1	3.3	130	10.0	0.4	1.0	6	0.3	0.28	0.8	0.3	2.5	0.7	1250	5	7.5	0.5	1.2
2000H-119	387047.13	6096397.00	1	1	2.9	170	13.0	3.3	3.0	17	1.0	0.93	0.9	0.3	2.5	0.3	3300	5	36.0	0.3	3.2
2000H-120	388195.31	6096944.00	1	1	1.7	210	12.0	3.6	2.0	14	0.8	0.63	2.1	0.3	2.5	0.3	6880	5	30.0	0.2	2.8
2000H-121	388949.72	6097695.50	2	1	2.6	130	10.0	0.4	0.5	6	0.3	0.25	0.5	0.3	2.5	0.7	959	5	7.5	0.4	1.0
2000H-122	390079.06	6098127.00	1	1	1.2	150	22.0	4.3	2.0	12	0.5	0.55	1.7	0.3	2.5	0.3	5060	5	21.0	0.1	2.1
2000H-124	391713.34	6098945.50	1	1	1.7	120	13.0	4.0	3.0	14	1.1	0.72	0.9	0.3	2.5	0.3	1920	5	23.0	0.2	2.4
2000H-125	388349.84	6102123.50	1	1	-0.7	110	11.0	3.7	1.0	9	0.6	0.42	0.8	0.3	2.5	0.3	1590	5	7.5	0.1	1.6
2000H-126	389293.28	6102642.00	1	1	1.7	82	9.7	1.1	1.0	7	0.8	0.32	0.7	0.3	2.5	0.9	1260	5	7.5	0.3	1.2
2000H-127	390127.16	6103821.50	1	1	0.9	69	33.0	4.3	1.0	4	0.3	0.21	0.3	0.3	2.5	0.3	593	5	7.5	0.2	0.6
2000H-128	390869.06	6103009.00	1	1	0.3	86	11.0	5.3	1.0	7	0.3	0.28	0.6	0.3	2.5	0.9	973	5	7.5	0.1	1.2
2000H-129	391955.44	6103866.00	1	1	2.0	25	12.0	3.0	0.5	1	0.3	0.09	0.3	0.3	2.5	0.3	234	5	7.5	0.2	0.3
2000H-130-1 Field Duplicate	392870.50	6104868.50	1	1	1.6	25	13.0	1.8	2.0	3	0.3	0.29	0.3	0.3	2.5	4.4	521	5	7.5	0.2	0.6
2000H-130-2 Field Duplicate	392870.50	6104868.50	1	1	2.8	69	14.0	2.2	1.0	3	0.3	0.60	0.3	0.3	2.5	2.7	444	5	7.5	0.2	0.6
2000H-131	393909.19	6105750.00	1	1	1.5	25	13.0	1.9	0.5	3	0.3	0.13	0.3	0.3	2.5	28.0	430	5	7.5	0.2	0.5
2000H-132	394643.75	6105112.00	1	1	0.6	170	11.0	3.8	3.0	17	0.7	0.66	1.8	0.3	2.5	0.3	4050	5	7.5	0.1	3.1
2000H-133	395632.94	6104304.50	1	1	0.3	25	18.0	1.7	0.5	3	0.3	0.13	0.3	0.3	2.5	0.3	568	5	7.5	0.1	0.6
2000H-134	395953.06	6103406.50	1	1	0.7	91	17.0	3.4	2.0	6	0.3	0.33	0.6	0.3	2.5	0.3	1240	5	7.5	0.1	1.0
2000H-135	398475.94	6100648.50	1	1	2.7	110	13.0	0.6	4.0	14	0.9	0.83	0.6	0.3	2.5	0.3	1000	5	20.0	0.3	2.5
2000H-136	397807.00	6101720.00	1	1	1.8	160	15.0	4.0	3.0	18	1.2	0.83	0.9	0.3	2.5	0.3	2760	5	28.0	0.2	2.8
2000H-137-1 Field Duplicate	398893.06	6102443.50	1	1	1.7	110	13.0	4.1	2.0	10	0.7	0.51	0.6	0.3	2.5	0.3	1240	5	7.5	0.2	1.6
2000H-137-2 Field Duplicate	398893.06	6102443.50	1	1	1.6	94	13.0	4.1	2.0	9	0.6	0.41	0.3	0.3	2.5	0.3	654	5	7.5	0.1	1.2
2000H-138	400332.28	6102223.50	1	1	0.8	25	10.0	0.9	0.5	4	0.3	0.19	0.3	0.3	2.5	0.3	347	5	7.5	0.1	0.6
2000H-139	401013.91	6102969.00	1	1	0.8	220	12.0	3.5	3.0	23	1.3	1.06	1.9	0.3	2.5	0.3	4810	5	37.0	0.1	3.6
2000H-140	396582.16	6102405.00	1	1	1.4	130	12.0	4.0	2.0	12	0.7	0.55	1.6	0.3	2.5	0.3	3160	5	7.5	0.2	1.9
2000H-142	398461.16	6104054.50	2	1	1.2	230	14.0	2.4	6.0	29	2.1	1.42	1.3	0.3	2.5	0.3	3550	5	48.0	0.1	5.2
2000H-143	398945.84	6104816.50	1	1	1.7	66	13.0	0.6	0.5	4	0.3	0.19	0.3	0.3	2.5	0.3	764	5	7.5	0.3	0.7
2000H-145	400163.44	6105012.00	1	1	0.8	140	11.0	3.3	3.0	20	1.6	0.73	0.8	0.3	2.5	0.3	1210	5	7.5	0.1	3.2
2000H-146	401035.00	6105142.00	1	1	1.4	190	10.0	1.1	0.5	6	0.9	0.23	0.8	0.3	2.5	0.3	1420	5	7.5	0.3	1.0
2000H-148	400836.19	6104312.50	1	1	1.6	140	13.0	3.8	3.0	16	1.1	0.72	0.7	0.3	2.5	0.3	1210	5	22.0	0.3	2.3
2000H-149-1 Field Duplicate	402139.66	6105434.00	2	1	2.6	400	6.6	1.6	33.0	9	3.3	1.06	0.9	0.3	2.5	0.3	1850	5	35.0	0.2	2.1
2000H-149-2 Field Duplicate	402139.66	6105434.00	1	1	3.0	360	6.0	1.5	82.0	13	2.6	1.33	2.6	0.3	2.5	1.4	3860	5	45.0	0.3	3.8
2000H-151	402635.81	6106941.00	2	1	2.8	240	8.0	2.9	9.0	19	1.5	1.07	2.9	0.3	2.5	0.3	4890	5	20.0	0.2	4.6
2000H-152	403285.63	6107605.00	1	1	1.0	100	5.7	1.4	2.0	6	0.6	0.35	0.8	0.3	2.5	0.6	1720	5	7.5	0.2	1.2
2000H-153	403857.41	6108381.00	2	1	1.1	250	12.0	2.4	2.0	16	0.8	0.57	4.2	0.3	2.5	1.1	8500	5	28.0	0.1	3.6
2000H-154	405007.19	6108764.00	1	1	0.6	25	6.7	2.0	2.0	2	0.3	0.13	0.3	0.3	2.5	3.7	385	5	7.5	0.1	0.4
2000H-155	405182.97	6109662.50	1	1	1.0	100	9.0	1.0	4.0	10	1.0	0.65	1.0	0.3	2.5	0.9	2230	5	27.0	0.2	2.4
2000H-157	402663.81	6108717.50	1	1	1.4	25	6.6	0.2	0.5	2	0.3	0.10	0.3	0.3	2.5	0.3	424	5	7.5	0.2	0.4
2000H-159	401165.03	6107954.50	1	1	1.9	25	12.0	1.3	0.5	4	0.3	0.13	0.3	0.3	2.5	0.7	640	5	7.5	0.3	0.8
2000H-160	399579.41	6108137.00	1	1	3.2	25	16.0	0.2	0.5	4	0.3	0.22	0.5	0.3	2.5	0.3	747	5	7.5	0.3	0.8
2000H-161	409503.97	6110965.50	1	1	2.3	300	15.0	3.8	7.0	34	1.6	1.84	2.6	0.3	2.5	1.9	4440	5	41.0	0.2	6.3
2000H-162	408825.19	6111203.00	1	1	1.4	97	16.0	3.9	1.0	4	0.3	0.31	0.7	0.3	2.5	1.8	1370	5	7.5	0.2	0.9
2000H-163	407938.84	6110567.50	1	1	0.9	170	14.0	3.3	5.0	15	1.1	0.96	1.3	0.3	2.5	2.7	2500	24	7.5	0.1	3.1
2000H-164	407481.53	6111172.00	1	1	1.2	120	15.0	0.3	0.5	4	0.3	0.26	0.3	0.3	2.5	3.1	395	5	7.5	0.1	1.1

Sample Site	UTM		Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc
	Easting	Northing	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
2000H-165	406840.56	6111248.50	1	1	0.7	93	5.8	0.4	0.5	3	0.8	0.18	0.8	0.3	2.5	0.3	1420	5	7.5	0.1	0.6
2000H-166	406114.34	6111079.00	1	1	2.7	58	10.0	0.8	1.0	5	0.3	0.24	0.6	0.3	2.5	0.5	1040	5	7.5	0.3	0.9
2000H-167	404689.56	6110332.00	1	1	1.3	130	11.0	2.4	2.0	13	1.1	0.67	1.1	0.3	2.5	2.5	1920	5	23.0	0.2	2.5
2000H-168	407173.28	6110038.00	1	1	0.8	87	14.0	4.8	4.0	2	0.3	0.16	0.3	0.3	2.5	4.4	302	5	7.5	0.1	0.5
2000H-169	406356.91	6109394.50	1	1	1.6	100	12.0	4.0	2.0	9	0.7	0.55	0.8	0.3	2.5	0.9	1210	5	7.5	0.2	1.7
2000H-170	401106.94	6103466.00	1	1	2.4	210	21.0	5.0	3.0	16	1.1	0.85	2.0	0.3	2.5	0.9	4690	5	20.0	0.2	3.3
2000H-171-1 Field Duplicate	400308.25	6102973.00	1	1	1.6	180	23.0	4.9	3.0	13	0.6	0.67	2.8	0.3	2.5	0.3	5110	5	24.0	0.1	2.8
2000H-171-2 Field Duplicate	400308.25	6102973.00	1	1	1.7	110	18.0	4.0	2.0	8	0.3	0.40	1.4	0.3	2.5	0.3	2730	5	7.5	0.1	1.5
2000H-173	385214.00	6096092.00	1	1	2.0	100	12.0	3.2	3.0	6	0.3	0.48	0.7	0.3	2.5	0.3	938	5	7.5	0.1	1.6
2000H-174	384167.44	6096184.50	1	1	13.0	160	48.0	4.6	8.0	11	0.6	3.60	1.6	0.3	2.5	1.1	2860	5	7.5	0.2	2.1
2000H-175	388265.75	6102950.00	1	1	0.6	25	9.0	0.3	0.5	2	0.3	0.20	0.3	0.3	2.5	0.3	291	5	7.5	0.1	0.4
2000H-177	386911.66	6102253.00	1	1	1.4	64	13.0	4.9	2.0	6	0.3	0.36	0.6	0.3	2.5	0.6	938	5	7.5	0.1	1.2
2000H-178	383961.50	6096975.00	1	1	1.3	76	11.0	3.7	2.0	5	0.3	0.29	0.7	0.3	2.5	0.3	1270	5	7.5	0.1	1.2
2000H-179-1 Field Duplicate	382763.03	6096971.50	2	1	2.0	130	21.0	5.5	5.0	19	1.1	1.06	2.6	0.3	2.5	0.3	4740	5	25.0	0.3	4.1
2000H-179-2 Field Duplicate	382763.03	6096971.50	1	1	1.7	130	20.0	6.0	2.0	9	0.5	0.47	1.1	0.3	2.5	2.0	1860	5	7.5	0.1	1.7
2000H-180	383572.19	6099390.00	1	1	0.6	100	16.0	4.2	3.0	13	1.0	0.72	0.8	0.3	2.5	0.3	727	5	7.5	0.1	2.3
2000H-181	380550.09	6095880.00	1	1	0.3	59	15.0	3.9	0.5	2	0.3	0.10	0.3	0.3	2.5	1.3	295	5	7.5	0.1	0.4
2000H-182	385706.34	6102721.00	1	1	1.7	200	20.0	5.5	3.0	17	0.8	0.73	1.5	0.3	2.5	0.3	3760	5	20.0	0.2	2.5
2000H-201	376329.06	6099848.50	1	1	2.3	25	13.0	1.2	0.5	3	0.3	0.14	0.3	0.3	2.5	0.6	464	5	7.5	0.4	0.6
2000H-202	377827.09	6101405.50	1	1	1.3	220	28.0	5.0	3.0	21	0.6	0.85	2.5	0.3	2.5	0.3	4240	5	21.0	0.2	2.8
2000H-203	377759.09	6103205.50	1	1	1.6	210	12.0	4.3	3.0	22	0.7	1.04	3.6	0.3	2.5	0.3	5770	5	23.0	0.1	3.1
2000H-204	379288.84	6099045.50	1	1	1.7	86	19.0	4.8	2.0	7	0.3	0.38	0.6	0.3	2.5	0.3	936	5	22.0	0.2	1.4
2000H-205	377938.81	6100685.00	1	1	2.0	25	16.0	3.8	0.5	3	0.3	0.15	0.3	0.3	2.5	0.6	391	5	7.5	0.3	0.5
2000H-206	376715.94	6102116.00	1	1	1.7	170	15.0	5.1	2.0	14	0.6	0.80	2.1	0.3	2.5	0.3	3510	17	7.5	0.1	2.8
2000H-207	383212.94	6102354.00	1	1	1.8	110	10.0	2.0	3.0	9	0.8	0.60	0.7	0.3	2.5	0.3	1050	5	7.5	0.4	2.0
2000H-208	379651.16	6102676.50	1	1	1.7	25	14.0	0.3	0.5	2	0.3	0.07	0.3	0.3	2.5	0.3	154	5	7.5	0.2	0.2
2000H-209	377791.78	6097599.50	1	1	2.0	25	10.0	0.7	0.5	4	0.3	0.16	0.3	0.3	2.5	0.3	605	5	7.5	0.3	0.6
2000H-210	378771.63	6097898.50	1	1	1.0	250	3.7	0.8	2.0	24	0.8	1.09	6.1	0.3	2.5	0.3	7050	5	34.0	0.1	3.0
2000H-211	386750.13	6103960.50	1	1	2.0	150	5.2	2.1	4.0	16	1.3	0.97	1.3	0.3	2.5	0.3	2290	5	28.0	0.4	3.3
2000H-212	383294.22	6105784.50	1	1	1.5	130	47.0	2.7	2.0	10	0.6	0.50	1.9	0.3	2.5	0.3	3280	5	7.5	0.2	1.9
2000H-213	381556.81	6105384.50	1	1	2.0	70	16.0	3.7	2.0	5	0.3	0.31	0.3	0.3	2.5	0.3	761	5	7.5	0.3	0.8
2000H-214	380459.88	6105602.00	1	1	1.0	240	8.3	1.6	2.0	13	0.3	0.46	3.0	0.3	2.5	0.3	6250	5	20.0	0.2	2.0
2000H-215	377864.75	6104760.00	1	1	0.9	100	24.0	4.9	2.0	7	0.3	0.37	0.3	0.3	2.5	0.3	497	5	7.5	0.1	1.2
2000H-216	383573.22	6109146.50	1	1	1.1	78	12.0	3.0	1.0	6	0.3	0.27	1.0	0.3	2.5	0.3	2020	5	7.5	0.1	1.1
2000H-217	390236.81	6110548.50	1	1	1.1	260	3.4	1.3	2.0	17	0.5	0.73	4.4	0.3	2.5	0.3	8280	5	32.0	0.1	2.7
2000H-218-1 Field Duplicate	389764.00	6111144.00	1	1	1.2	200	19.0	4.9	3.0	17	0.7	0.83	2.5	0.3	2.5	0.3	4680	5	25.0	0.1	2.8
2000H-218-2 Field Duplicate	389764.00	6111144.00	1	1	1.3	180	18.0	4.5	3.0	15	0.7	0.71	2.4	0.3	2.5	0.3	3980	5	20.0	0.2	2.5
2000H-219	390098.19	6111950.00	1	1	2.1	230	6.1	3.3	4.0	16	0.9	0.92	3.0	0.3	2.5	0.3	5490	5	33.0	0.2	3.2
2000H-220	381027.66	6110614.00	1	1	1.8	200	7.6	3.2	5.0	14	1.2	0.75	0.7	0.3	2.5	0.3	1340	5	7.5	0.4	3.2
2000H-221	377695.31	6108412.50	1	1	2.4	73	7.7	2.4	2.0	8	1.0	0.42	0.7	0.3	2.5	0.3	1370	5	7.5	0.4	1.5
2000H-222	379349.53	6108925.00	1	1	2.0	100	18.0	2.9	2.0	10	0.6	0.45	0.9	0.3	2.5	0.3	1720	5	7.5	0.3	1.7
2000H-223	381125.06	6107999.50	1	1	2.7	66	9.4	2.8	2.0	8	0.6	0.36	0.3	0.3	2.5	0.3	789	5	7.5	0.4	1.3
2000H-224	379795.09	6110312.00	1	1	1.4	63	12.0	0.4	3.0	7	0.6	0.97	0.5	0.3	2.5	0.3	551	5	7.5	0.2	2.3
2000H-225	379465.34	6111668.50	1	1	1.8	25	22.0	3.8	1.0	3	0.3	0.14	0.3	0.3	2.5	0.3	400	5	7.5	0.3	0.5
2000H-226	385778.38	6102867.50	1	1	1.2	130	24.0	5.8	3.0	15	0.8	0.65	1.1	0.3	2.5	1.0	2670	5	7.5	0.3	2.5
2000H-227	389816.63	6100772.00	1	1	2.4	87	16.0	2.7	3.0	11	0.8	0.51	0.3	0.3	2.5	0.3	938	5	7.5	0.3	1.8
2000H-228	386397.94	6109043.50	1	1	1.7	95	10.0	3.8	2.0	10	0.6	0.43	1.0	0.3	2.5	0.3	2170	5	7.5	0.3	1.7
2000H-229	384070.59	6107122.50	1	1	1.6	50	20.0	4.0	0.5	3	0.3	0.14	0.3	0.3	2.5	0.3	425	5	7.5	0.3	0.5
2000H-230	383904.16	6112613.50	1	1	1.7	120	11.0	2.9	2.0	11	0.8	0.46	1.3	0.3	2.5	0.3	3080	16	19.0	0.2	1.7
2000H-231-1 Field Duplicate	382258.53	6113338.50	1	1	1.9	170	20.0	4.4	3.0	16	1.0	0.73	1.5	0.3	2.5	0.3	3120	5	20.0	0.3	2.6
2000H-231-2 Field Duplicate	382258.53	6113338.50	1	1	2.0	140	21.0	4.1	3.0	13	0.7	0.57	1.0	0.3	2.5	0.3	2500	5	7.5	0.3	2.0
2000H-232	390562.03	6109659.00	1	1	2.2	130	15.0	3.3	2.0	11	0.6	0.42	1.4	0.3	2.5	0.3	2480	5	7.5	0.4	1.7
2000H-233	392016.75	6110904.50	1	1	2.0	95	11.0	3.5	2.0	10	0.6	0.43	0.9	0.3	2.5	0.3	1490	5	7.5	0.3	1.8
2000H-234	392301.84	6112182.50	1	1	1.6	63	15.0	3.7	0.5	5	0.6	0.21	0.3	0.3	2.5	0.3	594	5	7.5	0.3	0.8

Sample Site	UTM		Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc
	Easting	Northing	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
2000H-235	386428.03	6112778.00	1	1	1.3	25	12.0	2.6	0.5	3	0.3	0.13	0.3	0.3	2.5	0.3	415	5	7.5	0.2	0.4
2000H-236	381154.03	6111993.00	1	1	2.3	75	17.0	3.6	1.0	6	0.5	0.26	0.5	0.3	2.5	0.3	903	5	7.5	0.3	1.0
2000H-237	379199.69	6112599.50	1	1	1.8	25	16.0	3.2	0.5	4	0.3	0.16	0.3	0.3	2.5	0.3	462	5	7.5	0.2	0.5
2000H-238	386874.16	6116827.00	1	1	2.1	130	9.5	3.5	2.0	14	0.9	0.54	1.4	0.3	2.5	0.5	2300	5	7.5	0.4	2.0
2000H-239	386481.22	6119657.00	1	1	1.2	110	24.0	5.5	2.0	9	0.3	0.37	1.1	0.3	2.5	0.3	2250	5	7.5	0.2	1.3
2000H-240	385161.59	6118841.50	1	1	1.4	170	7.5	1.1	2.0	15	0.7	0.55	2.1	0.3	2.5	0.3	4480	5	26.0	0.3	2.0
2000H-241	382370.50	6117084.50	1	1	1.7	61	15.0	4.3	2.0	7	0.3	0.32	0.8	0.3	2.5	0.3	1490	5	7.5	0.3	1.2
2000H-242	381725.97	6118149.50	2	1	1.5	90	21.0	4.2	1.0	7	0.3	0.28	0.8	0.3	2.5	0.3	1450	5	7.5	0.2	0.9
2000H-243	383723.41	6118533.50	1	1	1.6	83	13.0	4.4	1.0	4	0.3	0.19	0.3	0.3	2.5	0.3	693	5	7.5	0.3	0.7
2000H-244	389263.66	6117914.50	1	1	1.8	81	34.0	4.0	0.5	4	0.3	0.18	0.3	0.3	2.5	0.3	496	5	7.5	0.4	0.6
2000H-245	390752.63	6118711.00	1	1	3.9	60	21.0	3.8	0.5	2	0.3	1.25	0.3	0.3	2.5	0.3	204	5	7.5	0.1	0.3
2000H-246	389829.19	6119604.50	2	1	1.2	250	20.0	3.6	3.0	23	0.9	0.94	2.9	0.3	2.5	0.3	6470	5	35.0	0.3	3.7
2000H-247	387542.09	6120739.50	2	1	1.8	280	11.0	2.7	4.0	24	0.9	0.87	4.0	0.3	2.5	0.3	6120	18	28.0	0.3	3.5
2000H-248	387894.78	6122519.00	1	1	2.0	150	10.0	3.3	4.0	13	0.7	0.55	1.6	0.3	2.5	0.3	2750	5	16.0	0.3	2.1
2000H-249	388461.28	6122755.00	1	1	1.3	140	16.0	5.4	2.0	14	0.3	0.55	2.3	0.3	2.5	0.3	4100	5	19.0	0.1	2.1
2000H-250-1 Field Duplicate	392449.16	6112208.50	1	1	2.8	230	12.0	3.0	3.0	15	1.0	0.63	2.6	0.3	2.5	0.3	4050	5	24.0	0.3	2.4
2000H-250-2 Field Duplicate	392449.16	6112208.50	1	1	2.6	120	17.0	4.2	2.0	11	0.9	0.49	1.2	0.3	2.5	0.3	2110	5	7.5	0.3	1.9
2000H-251	391802.69	6111173.00	1	1	1.3	270	13.0	2.9	3.0	24	0.8	0.90	4.5	0.3	2.5	0.3	7670	5	33.0	0.2	3.5
2000H-252	390174.03	6112731.00	1	1	2.0	210	8.5	4.0	3.0	17	0.8	0.72	2.6	0.3	2.5	0.3	3970	5	24.0	0.4	2.8
2000H-253	395615.16	6113826.50	1	1	1.8	140	19.0	4.7	3.0	12	1.1	0.60	1.0	0.3	2.5	0.3	1630	5	7.5	0.2	2.0
2000H-254	396711.59	6114399.00	1	1	1.6	25	11.0	3.9	0.5	3	0.3	0.19	0.3	0.3	2.5	0.3	390	5	7.5	0.2	0.7
2000H-255	398099.66	6117886.50	1	1	1.5	25	20.0	2.1	0.5	2	0.3	0.11	0.3	0.3	2.5	0.5	300	5	7.5	0.2	0.4
2000H-256	403018.75	6120422.00	1	1	2.4	160	14.0	3.8	3.0	15	0.9	0.64	1.5	0.3	2.5	0.3	3360	5	23.0	0.4	2.6
2000H-257	403015.22	6118430.00	1	1	2.2	87	12.0	3.9	2.0	7	0.8	0.37	0.8	0.3	2.5	0.3	1440	5	7.5	0.4	1.4
2000H-258	401426.78	6118891.00	1	1	1.4	58	20.0	3.4	1.0	5	0.5	0.26	0.6	0.3	2.5	0.3	1180	5	7.5	0.2	0.9
2000H-259	394433.78	6120179.50	1	1	2.4	100	340.0	3.6	2.0	5	0.3	0.24	0.3	0.3	2.5	0.3	764	5	7.5	0.3	0.8
2000H-260	392810.16	6120480.50	1	1	2.2	100	14.0	4.1	0.5	4	0.3	0.19	0.3	0.3	2.5	0.3	474	5	7.5	0.3	0.7
2000H-261	395856.13	6121526.00	1	1	1.5	60	27.0	3.5	0.5	5	0.6	0.19	0.3	0.3	2.5	0.3	611	5	7.5	0.3	0.7
2000H-262	382201.84	6113313.00	1	1	2.4	160	19.0	4.2	3.0	13	0.8	0.54	1.2	0.3	2.5	0.3	2350	5	7.5	0.5	2.1
2000H-263	382691.75	6113932.00	1	1	2.3	170	8.0	2.6	3.0	14	0.6	0.64	1.8	0.3	2.5	0.3	3140	5	7.5	0.3	2.3
2000H-264	380485.66	6115711.50	1	1	1.4	300	16.0	3.6	3.0	22	0.8	0.87	3.8	0.3	2.5	0.3	5040	5	35.0	0.2	3.5
2000H-265-1 Field Duplicate	379871.44	6116760.00	1	1	2.2	50	13.0	3.7	0.5	4	0.3	0.17	0.3	0.3	2.5	0.3	423	5	7.5	0.3	0.6
2000H-265-2 Field Duplicate	379871.44	6116760.00	1	1	2.0	58	13.0	4.4	0.5	5	0.3	0.24	0.3	0.3	2.5	0.3	558	5	7.5	0.3	0.9
2000H-266	381433.31	6117001.50	1	1	2.0	190	18.0	4.2	2.0	13	0.6	0.57	1.8	0.3	2.5	0.3	3650	5	7.5	0.3	2.3
2000H-267	375915.06	6116255.00	2	1	2.3	180	17.0	4.5	3.0	15	0.9	0.66	1.6	0.3	2.5	0.3	4470	5	7.5	0.2	2.6
2000H-268	378764.00	6115647.00	1	1	1.0	56	23.0	5.7	0.5	3	0.3	0.15	0.3	0.3	2.5	0.3	390	5	7.5	0.1	0.5
2000H-269	375817.69	6117177.00	1	1	1.1	25	22.0	5.0	0.5	3	0.3	0.13	0.3	0.3	2.5	0.3	358	5	7.5	0.1	0.4
2000H-270	375674.28	6118785.50	1	1	2.4	190	10.0	3.5	3.0	20	1.2	0.86	1.8	0.3	2.5	0.3	4370	5	26.0	0.3	3.6
2000H-271	372623.97	6120092.00	1	1	1.9	25	14.0	3.4	0.5	3	0.3	0.15	0.3	0.3	2.5	0.6	534	5	7.5	0.3	0.6
2000H-272	381917.66	6115401.50	1	1	1.5	80	21.0	4.3	2.0	9	0.3	0.44	1.0	0.3	2.5	0.3	1450	5	7.5	0.1	1.5
2000H-273	379539.09	6113473.00	1	1	3.4	190	15.0	3.3	3.0	19	1.0	0.72	1.5	0.3	2.5	1.2	5480	5	29.0	0.3	2.9
2000H-274	378643.41	6113610.00	1	1	2.2	100	17.0	4.8	2.0	10	0.6	0.43	1.0	0.3	2.5	0.3	1790	5	7.5	0.3	1.6
2000H-275	376090.72	6109961.00	1	1	2.7	180	32.0	3.2	4.0	25	1.8	1.10	1.0	0.3	2.5	0.3	2000	5	37.0	0.4	3.6
2000H-276	376198.66	6110938.00	1	1	1.9	150	13.0	3.8	2.0	14	0.5	0.50	2.3	0.3	2.5	0.3	3550	20	7.5	0.2	2.1
2000H-277	376521.69	6112449.50	1	1	2.4	180	24.0	4.9	3.0	17	0.9	0.77	1.3	0.3	2.5	0.3	3360	5	20.0	0.2	2.5
2000H-278	375920.22	6119958.50	1	1	1.5	25	24.0	4.2	0.5	2	0.3	0.09	0.3	0.3	2.5	0.3	379	5	7.5	0.1	0.4
2000H-279	380540.75	6121179.00	1	1	2.0	50	13.0	3.7	0.5	3	0.3	0.13	0.3	0.3	2.5	0.3	521	5	7.5	0.2	0.5
2000H-280	377783.25	6117499.50	1	1	1.9	230	10.0	2.4	5.0	27	1.5	1.12	2.9	0.3	2.5	0.3	5630	5	33.0	0.3	4.0
2000H-281-1 Field Duplicate	375405.56	6111977.50	1	1	2.4	130	14.0	3.2	2.0	12	0.7	0.50	1.8	0.3	2.5	0.3	3450	5	7.5	0.3	2.0
2000H-281-2 Field Duplicate	375405.56	6111977.50	1	1	2.4	110	14.0	3.6	2.0	10	0.8	0.44	1.3	0.3	2.5	0.3	2350	25	7.5	0.3	1.8
2000H-282	374344.63	6110827.50	1	1	2.0	54	12.0	3.8	1.0	6	0.3	0.26	0.3	0.3	2.5	0.3	872	5	7.5	0.3	0.9
2000H-283	372750.41	6110253.50	1	1	2.3	140	12.0	4.4	2.0	13	0.7	0.53	1.9	0.3	2.5	0.3	2660	5	7.5	0.2	1.9
2000H-284	371076.44	6112518.50	1	1	2.1	110	17.0	3.8	2.0	10	0.6	0.45	0.9	0.3	2.5	0.3	1700	5	7.5	0.3	1.8
2000H-285	373327.72	6114288.50	1	1	2.0	110	13.0	3.1	2.0	10	0.6	0.44	0.9	0.3	2.5	0.3	1960	5	7.5	0.3	1.7

Sample Site	UTM		Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc
	Easting	Northing	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
2000H-286	371991.28	6112810.50	1	1	3.3	25	60.0	2.4	1.0	2	0.3	0.11	0.3	0.3	2.5	0.7	312	5	7.5	0.2	0.3
2000H-287	377537.22	6113875.00	1	1	2.0	60	15.0	3.4	0.5	4	0.3	0.12	0.3	0.3	2.5	0.3	467	5	7.5	0.3	0.6
2000H-288	377012.94	6113260.00	1	1	2.4	150	20.0	5.2	2.0	14	0.6	0.61	2.1	0.3	2.5	0.3	3110	5	7.5	0.2	2.1
2000H-289	377610.78	6110969.00	1	1	1.2	63	15.0	4.8	1.0	6	0.3	0.28	0.3	0.3	2.5	0.3	613	5	7.5	0.2	0.9
2000H-290	382417.03	6114793.00	1	1	1.7	57	21.0	3.4	0.5	5	0.3	0.17	0.3	0.3	2.5	0.3	495	5	7.5	0.2	0.6
2000H-291	383696.41	6115010.50	1	1	1.0	25	19.0	4.9	0.5	2	0.3	0.09	0.3	0.3	2.5	0.3	224	5	7.5	0.1	0.4
2000H-292	385936.47	6116781.00	1	1	1.9	110	19.0	5.2	2.0	9	0.6	0.41	0.8	0.3	2.5	0.3	2580	5	7.5	0.2	1.6
2000H-293	385024.91	6115886.00	1	1	1.5	25	20.0	5.6	0.5	2	0.3	0.12	0.3	0.3	2.5	0.3	265	5	7.5	0.1	0.3
2000H-294	388431.34	6117653.00	1	1	1.5	180	19.0	5.8	2.0	14	0.8	0.57	1.5	0.3	2.5	0.3	3410	5	20.0	0.1	2.1
2000H-295	390772.88	6115942.50	1	1	1.5	130	63.0	5.7	2.0	13	0.5	0.61	1.5	0.3	2.5	0.3	2520	5	7.5	0.2	2.1
2000H-296	388906.22	6116341.50	1	1	1.8	25	20.0	4.7	0.5	2	0.3	0.10	0.3	0.3	2.5	0.3	296	5	7.5	0.2	0.4
2000H-297	392777.22	6119550.50	1	1	2.5	180	20.0	5.4	3.0	17	0.8	0.75	2.2	0.3	2.5	0.3	4170	5	21.0	0.3	2.7
2000H-298	386844.25	6118304.50	1	1	1.5	92	47.0	5.5	2.0	6	0.3	0.30	0.3	0.3	2.5	0.3	1370	5	7.5	0.2	1.1
2000H-299	389554.72	6118795.50	1	1	2.4	25	31.0	3.9	0.5	5	0.6	0.20	0.3	0.3	2.5	0.6	662	5	7.5	0.3	0.8
2000H-300	397789.06	6120371.50	1	1	2.0	110	8.8	3.6	2.0	8	0.6	0.34	0.9	0.3	2.5	0.3	1560	5	7.5	0.3	1.5
2000H-301	397379.28	6115475.50	1	1	2.4	280	18.0	3.6	6.0	26	1.0	1.42	4.0	0.3	2.5	0.3	6340	5	27.0	0.1	4.7
2000H-302	396199.97	6115605.50	1	1	1.4	52	16.0	4.5	0.5	2	0.3	0.15	0.3	0.3	2.5	0.3	279	5	7.5	0.2	0.5
2000H-303	399031.28	6117196.50	1	1	2.0	56	22.0	4.6	0.5	3	0.3	0.14	0.3	0.3	2.5	0.3	540	5	7.5	0.2	0.5
2000H-304	399059.47	6121780.00	1	1	1.2	82	43.0	5.1	1.0	6	0.3	0.22	0.5	0.3	2.5	0.3	1170	5	7.5	0.1	0.9
2000H-305	394394.06	6121113.00	1	1	1.5	120	21.0	5.0	2.0	9	0.3	0.37	0.8	0.3	2.5	0.3	1950	5	7.5	0.2	1.3
2000H-306	395742.28	6120763.00	1	1	1.6	79	16.0	4.0	1.0	6	0.5	0.31	0.6	0.3	2.5	0.3	1090	17	7.5	0.2	1.1
2000H-307	401533.19	6115214.50	1	1	1.5	100	25.0	5.5	2.0	8	0.6	0.38	0.7	0.3	2.5	0.3	1360	5	7.5	0.2	1.3
2000H-308	388801.19	6121654.50	1	1	1.9	210	9.2	3.5	4.0	38	1.2	1.43	3.0	0.3	2.5	0.3	5240	5	19.0	0.2	3.6
2000H-309	391428.59	6122577.50	1	1	1.5	170	18.0	6.3	3.0	13	0.7	0.65	1.5	0.3	2.5	1.9	2620	5	7.5	0.2	2.6
2000H-310-1 Field Duplicate	386862.44	6121457.50	1	1	1.7	210	18.0	6.1	3.0	16	0.7	0.67	2.1	0.3	2.5	0.3	3300	5	22.0	0.2	2.6
2000H-310-2 Field Duplicate	386862.44	6121457.50	1	1	1.8	190	20.0	6.1	3.0	14	0.7	0.69	1.7	0.3	2.5	0.3	2900	5	20.0	0.2	2.5
2000H-311	398860.28	6124033.50	1	1	0.8	110	17.0	5.8	2.0	8	0.3	0.36	1.0	0.3	2.5	0.3	1990	22	21.0	0.1	1.2
2000H-312	401764.13	6124868.00	1	1	1.8	230	21.0	5.4	4.0	17	0.6	0.75	2.3	0.3	2.5	0.3	4360	53	21.0	0.2	3.0
2000H-313	401949.66	6123755.50	1	1	1.6	160	24.0	5.4	4.0	18	1.1	0.82	1.7	0.3	2.5	0.3	2010	5	7.5	0.2	3.1
2000H-314	395694.91	6113040.00	1	1	1.2	25	13.0	4.0	0.5	2	0.3	0.13	0.3	0.3	2.5	0.3	325	5	7.5	0.1	0.6
2000H-315	394579.59	6115052.50	1	1	0.7	74	16.0	4.9	0.5	2	0.3	0.11	0.3	0.3	2.5	0.3	297	5	7.5	0.1	0.4
2000H-316	393563.53	6115607.50	1	1	1.9	66	15.0	4.2	1.0	2	0.3	0.14	0.3	0.3	2.5	0.3	307	5	7.5	0.2	0.4
2000H-317	395119.63	6116693.00	1	1	1.6	120	16.0	5.6	2.0	10	0.3	0.55	1.6	0.3	2.5	0.3	2660	5	7.5	0.2	1.8
2000H-318	392868.47	6115944.50	1	1	5.6	68	32.0	2.9	4.0	2	0.3	0.78	0.3	0.3	2.5	0.9	303	5	7.5	0.3	0.3
2000H-319	392888.03	6114085.00	1	1	0.7	69	10.0	4.0	0.5	4	0.3	0.20	0.6	0.3	2.5	0.7	832	5	7.5	0.1	0.9
2000H-320	393461.94	6117975.00	1	1	2.7	200	26.0	5.2	4.0	14	0.8	0.71	1.9	0.3	2.5	0.3	2880	5	7.5	0.3	2.7
2000H-321	395662.72	6119171.50	1	1	1.7	260	8.6	2.1	5.0	30	2.2	1.58	2.5	0.3	2.5	0.3	2430	5	34.0	0.2	5.1
2000H-322	396552.13	6116783.50	1	1	1.6	25	25.0	1.7	0.5	1	0.3	0.26	0.3	0.3	2.5	0.3	160	5	7.5	0.1	0.2
2000H-323	398822.63	6118983.50	1	1	1.6	25	17.0	4.3	1.0	3	0.3	0.17	0.3	0.3	2.5	0.3	628	5	7.5	0.2	0.5
2000H-324	405468.59	6118863.50	1	1	0.8	25	23.0	4.3	1.0	3	0.3	0.15	0.3	0.3	2.5	0.3	317	5	7.5	0.1	0.6
2000H-325	402728.47	6116397.00	1	1	1.7	110	8.5	2.0	3.0	11	0.7	0.47	1.5	0.3	2.5	0.3	3410	5	7.5	0.2	1.9
2000H-326	403152.28	6115757.50	1	1	2.5	190	13.0	4.0	8.0	42	2.9	2.19	2.5	0.3	2.5	2.0	2470	120	57.0	0.3	6.4
2000H-327	401644.22	6117724.00	1	1	2.7	25	18.0	3.4	1.0	2	0.3	0.10	0.3	0.3	2.5	0.3	290	5	7.5	0.3	0.4
2000H-328	399453.69	6113119.50	1	1	2.6	180	13.0	3.0	9.0	30	2.0	1.61	1.8	0.3	2.5	1.0	1640	5	43.0	0.3	5.2
2000H-329-1 Field Duplicate	399739.69	6116073.00	1	1	1.7	80	21.0	5.0	1.0	6	0.3	0.29	0.9	0.3	2.5	0.3	1430	5	7.5	0.1	1.1
2000H-329-2 Field Duplicate	399739.69	6116073.00	1	1	1.5	82	23.0	4.9	1.0	2	0.3	0.15	0.3	0.3	2.5	0.3	478	5	7.5	0.2	0.5
2000H-330	400493.94	6121466.50	1	1	3.7	230	100.0	5.3	4.0	18	0.9	0.83	2.0	0.3	2.5	0.3	3600	5	26.0	0.4	3.0
2000H-331	397631.47	6122161.50	1	1	2.6	230	12.0	4.1	4.0	17	1.0	0.77	1.9	0.3	2.5	0.9	4630	5	32.0	0.3	3.3
2000H-332	388402.53	6110279.50	1	1	1.6	140	13.0	3.0	3.0	15	0.8	1.11	1.4	0.3	2.5	1.6	1150	5	7.5	0.3	3.5
2000H-333	388990.78	6111278.50	1	1	1.7	85	14.0	3.8	2.0	6	0.3	0.33	1.1	0.3	2.5	0.3	1660	5	7.5	0.3	1.3
2000H-334	388337.50	6112415.00	1	1	0.3	72	10.0	4.3	0.5	3	0.3	0.14	0.3	0.3	2.5	0.3	306	5	7.5	0.1	0.5
2000H-335	387047.66	6109799.50	1	1	1.6	250	20.0	5.6	4.0	22	0.9	0.92	4.4	0.3	2.5	1.0	7140	5	30.0	0.2	4.3
2000H-336	386319.13	6111064.50	1	1	1.1	120	15.0	4.8	3.0	13	0.8	0.72	1.7	0.3	2.5	0.7	2340	5	7.5	0.2	2.5
2000H-337	382496.38	6109258.00	1	1	2.0	140	15.0	4.0	3.0	12	0.7	0.62	1.8	0.3	2.5	0.3	3050	5	7.5	0.3	2.4

Sample Site	UTM		Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc
	Easting	Northing	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
2000H-338	380640.72	6106839.00	1	1	1.3	55	12.0	4.3	0.5	2	0.3	0.10	0.3	0.3	2.5	0.3	288	5	7.5	0.2	0.4
2000H-339	384452.22	6121046.00	1	1	1.9	110	18.0	4.7	3.0	8	0.6	0.47	0.8	0.3	2.5	0.3	1900	5	7.5	0.3	1.6
2000H-340	378880.78	6116494.50	1	1	2.8	51	33.0	2.4	1.0	2	0.3	0.13	0.3	0.3	2.5	1.4	401	5	7.5	0.2	0.5
2000H-341	378317.00	6120022.00	1	1	0.7	67	14.0	4.1	0.5	3	0.3	0.16	0.6	0.3	2.5	0.3	910	5	7.5	0.1	0.8
2000H-342	380948.22	6114359.50	1	1	1.4	25	12.0	1.6	0.5	2	0.3	0.11	0.3	0.3	2.5	0.3	310	5	7.5	0.2	0.4
2000H-343	374800.81	6116438.50	1	1	1.8	110	17.0	4.7	2.0	7	0.5	0.40	0.9	0.3	2.5	2.1	1730	5	7.5	0.3	1.5
2000H-344	374923.78	6117839.50	2	1	1.9	96	20.0	5.2	2.0	6	0.3	0.35	0.6	0.3	2.5	2.1	1020	5	7.5	0.3	1.3
2000H-345-1 Field Duplicate	373345.66	6119686.50	1	1	1.7	220	7.3	4.0	3.0	20	0.9	1.02	3.1	0.3	2.5	0.6	4870	5	22.0	0.3	3.3
2000H-345-2 Field Duplicate	373345.66	6119686.50	1	1	1.7	180	6.7	4.2	3.0	13	0.9	0.62	2.2	0.3	2.5	0.3	3060	5	7.5	0.3	2.4
2000H-346	370761.88	6118036.00	1	1	2.0	130	15.0	4.3	3.0	12	0.6	0.56	1.2	0.3	2.5	1.9	1970	5	7.5	0.2	2.0
2000H-347	372443.16	6117141.00	1	1	0.5	180	19.0	6.0	3.0	11	0.5	0.57	2.1	0.3	2.5	0.3	3090	5	7.5	0.1	2.1
2000H-348	370122.25	6116112.50	1	1	3.6	290	20.0	3.5	9.0	32	2.0	1.67	2.9	0.3	2.5	0.3	5620	22	46.0	0.3	6.2
2000H-349	371728.59	6114122.50	1	1	2.3	110	20.0	4.9	3.0	10	0.7	0.53	0.8	0.3	2.5	0.3	1420	5	7.5	0.3	1.9
2000H-350	402081.97	6122364.50	1	1	2.0	210	12.0	4.8	3.0	16	0.9	0.78	1.4	0.3	2.5	0.3	4210	15	24.0	0.4	3.2
2000H-351	396866.97	6123412.50	1	1	1.4	240	8.4	3.2	4.0	20	0.9	0.76	3.9	0.3	2.5	0.3	6580	5	27.0	0.3	3.5
2000H-352	394480.94	6124486.00	1	1	2.2	120	36.0	6.3	3.0	9	0.3	0.42	0.6	0.3	2.5	2.8	1450	5	7.5	0.3	1.3
2000H-353	396067.84	6125747.00	1	1	2.4	71	15.0	4.7	1.0	5	0.3	0.26	0.6	0.3	2.5	0.3	738	5	7.5	0.3	1.0
2000H-354	392236.41	6123705.50	1	1	1.7	210	18.0	6.2	4.0	20	0.7	0.94	3.6	0.3	2.5	1.4	6290	5	26.0	0.1	4.2
2000H-355	393649.88	6123363.00	1	1	1.7	120	16.0	5.3	2.0	6	0.3	0.31	1.0	0.3	2.5	0.3	1490	5	7.5	0.2	1.3
2000H-356	378960.09	6100575.00	1	1	0.6	55	10.0	5.0	0.5	2	0.3	0.12	0.3	0.3	2.5	0.8	242	5	7.5	0.1	0.5
2000H-357	382146.16	6101546.50	1	1	3.6	200	24.0	4.5	4.0	17	1.1	0.94	2.1	0.3	2.5	1.4	3310	5	29.0	0.4	3.9
2000H-358	384700.47	6100007.50	1	1	1.7	100	70.0	5.5	3.0	8	0.6	0.40	0.8	0.3	2.5	0.3	1360	5	7.5	0.2	1.5
2000H-359	377622.44	6094664.00	1	1	2.2	25	14.0	3.0	2.0	3	0.3	0.19	0.3	0.3	2.5	0.5	572	5	7.5	0.5	0.8
2000H-360	377658.47	6095328.00	1	1	1.7	130	13.0	3.5	4.0	20	1.5	1.07	1.1	0.3	2.5	0.5	1180	5	32.0	0.1	3.3
2000H-361	376265.22	6096775.50	1	1	0.8	150	20.0	5.8	3.0	13	0.7	0.64	2.0	0.3	2.5	1.7	3320	5	7.5	0.1	2.4
2000H-362	380254.41	6098643.00	1	1	4.8	310	8.3	1.5	9.0	40	3.5	2.60	3.0	0.3	2.5	0.3	4580	5	60.0	0.4	9.2
2000H-363	381867.97	6099542.00	1	1	1.5	70	17.0	5.4	4.0	3	0.3	0.57	0.3	0.3	2.5	0.3	349	5	7.5	0.1	0.8
2000H-364	382689.63	6104796.00	1	1	3.4	200	20.0	3.7	5.0	18	1.0	0.94	2.7	0.3	2.5	0.3	4920	5	22.0	0.3	3.6
2000H-365	376956.47	6105531.50	1	1	2.9	200	14.0	4.7	4.0	17	0.9	0.90	2.9	0.3	2.5	0.3	5080	5	25.0	0.2	3.8
2000H-366	376100.69	6107566.50	1	1	0.9	89	13.0	5.7	2.0	5	0.6	0.24	0.3	0.3	2.5	0.3	644	5	7.5	0.1	0.8
2000H-367	378498.88	6109643.00	1	1	1.5	130	19.0	5.4	2.0	11	0.3	0.56	1.4	0.3	2.5	0.3	2850	5	7.5	0.2	2.0
2000H-368	375676.59	6109114.50	1	1	2.1	140	11.0	4.2	3.0	19	1.1	0.87	1.3	0.3	2.5	0.3	2210	5	20.0	0.1	3.1

Sample Site	Se	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Tree
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
2000H-1	1	50	0.3	1.0	1.0	0.5	10	4.8	8	3.0	0.6	0.1	0.1	0.3	0.1	17.0
2000H-2	1	50	0.3	0.7	0.1	0.5	10	2.4	4	1.5	0.3	0.1	0.1	0.1	0.1	8.6
2000H-3	1	50	0.3	1.1	0.2	0.5	10	7.9	12	6.0	1.0	0.1	0.1	0.3	0.1	27.5
2000H-4	1	50	0.3	0.3	0.1	0.5	99	1.4	2	1.5	0.2	0.1	0.1	0.1	0.1	5.5
2000H-5	1	50	0.3	1.0	0.3	0.5	36	4.0	7	1.5	0.4	0.1	0.1	0.2	0.1	13.4
2000H-6	1	50	0.3	0.3	0.1	0.5	49	2.1	4	1.5	0.3	0.1	0.1	0.1	0.1	8.3
2000H-7	1	50	0.3	0.7	0.1	0.5	10	2.1	5	1.5	0.3	0.1	0.1	0.2	0.1	9.4
2000H-8	1	110	0.3	4.4	1.0	0.5	20	15.0	25	11.0	1.9	0.4	0.3	0.7	0.1	54.4
2000H-9	1	50	0.3	0.7	0.1	0.5	54	2.4	5	1.5	0.3	0.1	0.1	0.2	0.1	9.7
2000H-10	1	50	0.3	1.3	0.1	0.5	76	4.5	9	4.0	0.5	0.1	0.1	0.2	0.1	18.5
2000H-11	1	50	0.3	0.7	0.1	0.5	68	2.9	5	1.5	0.3	0.1	0.1	0.1	0.1	10.1
2000H-12	1	110	0.3	4.1	0.9	0.5	20	15.0	24	10.0	1.9	0.4	0.3	0.8	0.1	52.5
2000H-13	1	50	0.3	3.3	0.8	0.5	24	18.0	20	13.0	2.0	0.4	0.3	0.6	0.1	54.4
2000H-14	1	50	0.3	0.3	0.1	0.5	10	1.8	3	1.5	0.3	0.1	0.1	0.1	0.1	7.0
2000H-15	1	50	0.3	1.6	0.2	0.5	10	5.0	9	4.0	0.6	0.1	0.1	0.4	0.1	19.3
2000H-16-1 Field Duplicate	1	50	0.3	0.3	0.1	0.5	35	0.6	1	1.5	0.1	0.1	0.1	0.1	0.1	3.5
2000H-16-2 Field Duplicate	1	50	0.3	0.3	0.1	0.5	10	1.6	3	1.5	0.2	0.1	0.1	0.1	0.1	6.7
2000H-17	1	50	0.3	0.3	0.1	0.5	10	1.5	3	1.5	0.2	0.1	0.1	0.1	0.1	6.6
2000H-18	1	50	0.3	1.7	0.1	0.5	29	10.0	18	8.0	1.2	0.2	0.1	0.3	0.1	37.9
2000H-24	1	50	0.3	2.8	2.2	0.5	25	13.0	14	9.0	1.5	0.3	0.1	0.5	0.1	38.5
2000H-25	1	50	0.3	3.5	0.8	0.5	23	12.0	17	8.0	1.4	0.3	0.1	0.5	0.1	39.4
2000H-27	1	50	0.3	3.0	0.6	0.5	10	10.0	18	7.0	1.3	0.3	0.1	0.5	0.1	37.3
2000H-28	1	120	0.3	6.8	1.7	0.5	20	40.0	66	30.0	5.5	1.3	0.7	1.6	0.2	145.3
2000H-29	1	50	0.3	0.3	0.1	0.5	10	1.3	2	1.5	0.2	0.1	0.1	0.1	0.1	5.3
2000H-30	1	50	0.3	0.7	0.2	0.5	10	2.3	4	1.5	0.3	0.1	0.1	0.2	0.1	8.6
2000H-31	1	50	0.3	0.9	0.1	0.5	25	2.9	6	1.5	0.4	0.1	0.1	0.2	0.1	11.3
2000H-33	1	50	0.3	2.2	0.5	0.5	55	6.3	12	5.0	0.8	0.1	0.1	0.4	0.1	24.8
2000H-34	1	50	0.3	4.4	2.0	0.5	10	21.0	36	16.0	2.6	0.5	0.3	0.8	0.1	77.3
2000H-35-1 Field Duplicate	1	50	0.3	3.3	0.8	0.5	10	13.0	27	9.0	1.6	0.4	0.3	0.9	0.2	52.4
2000H-35-2 Field Duplicate	1	50	0.3	2.1	0.7	0.5	10	10.0	19	7.0	1.2	0.3	0.1	0.5	0.1	36.2
2000H-36	1	50	0.3	0.9	1.8	0.5	24	3.3	6	1.5	0.4	0.1	0.1	0.2	0.1	11.7
2000H-37	1	110	0.3	2.5	0.8	0.5	22	10.0	14	6.0	1.0	0.2	0.1	0.4	0.1	31.8
2000H-38	1	50	0.3	0.3	0.1	0.5	10	1.5	3	1.5	0.2	0.1	0.1	0.1	0.1	6.6
2000H-39	1	50	0.3	1.8	6.5	0.5	10	6.6	10	5.0	0.6	0.1	0.1	0.3	0.1	22.8
2000H-40	1	50	0.3	1.9	0.4	0.5	10	27.0	57	16.0	3.9	0.6	0.4	0.7	0.1	105.7
2000H-41	1	50	0.3	0.7	0.2	0.5	35	5.2	8	3.0	0.5	0.1	0.1	0.2	0.1	17.2
2000H-42	1	50	0.3	1.9	2.7	0.5	10	7.2	12	5.0	0.9	0.2	0.1	0.5	0.1	26.0
2000H-43	1	50	0.3	0.7	0.5	0.5	20	3.1	5	1.5	0.3	0.1	0.1	0.2	0.1	10.4
2000H-44	1	50	0.3	0.6	0.2	0.5	68	3.4	6	1.5	0.4	0.1	0.1	0.3	0.1	11.9
2000H-45	1	50	0.3	1.5	1.1	0.5	10	5.6	9	4.0	0.7	0.1	0.1	0.3	0.1	19.9
2000H-46	1	50	0.3	1.6	0.3	0.5	10	8.8	15	6.0	1.2	0.3	0.2	0.9	0.1	32.5
2000H-47	1	50	0.3	0.8	0.9	0.5	25	2.1	4	1.5	0.3	0.1	0.1	0.1	0.1	8.3
2000H-48	1	50	0.3	2.9	2.0	0.5	24	14.0	19	8.0	1.3	0.3	0.1	0.5	0.1	43.3
2000H-49	1	50	0.3	1.2	2.7	0.5	10	5.0	8	1.5	0.6	0.1	0.1	0.3	0.1	15.7
2000H-50	1	50	0.3	1.5	1.6	0.5	10	6.7	12	5.0	0.8	0.1	0.1	0.3	0.1	25.1
2000H-51	1	50	0.3	2.7	0.6	0.5	10	12.0	23	8.0	1.4	0.3	0.1	0.5	0.1	45.4
2000H-52	1	50	0.3	2.1	0.6	0.5	58	8.1	14	5.0	0.9	0.2	0.1	0.5	0.1	28.9
2000H-53-1 Field Duplicate	1	50	0.3	2.1	0.8	0.5	10	11.0	17	7.0	1.1	0.3	0.1	0.5	0.1	37.1

Sample Site	Se	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Tree
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
2000H-53-2 Field Duplicate	1	50	0.3	2.0	0.9	0.5	10	9.9	16	6.0	1.1	0.3	0.1	0.5	0.1	34.0
2000H-54	1	50	0.3	2.2	7.6	0.5	10	7.2	13	4.0	0.8	0.1	0.1	0.3	0.1	25.6
2000H-55	1	50	0.3	1.6	1.1	0.5	10	7.0	12	4.0	0.8	0.2	0.1	0.4	0.1	24.6
2000H-56	1	110	0.3	1.7	1.3	0.5	10	6.3	11	5.0	0.8	0.1	0.1	0.4	0.1	23.8
2000H-57	1	50	0.3	1.9	0.3	0.5	10	9.7	15	7.0	1.0	0.2	0.1	0.4	0.1	33.5
2000H-58	1	50	0.3	0.3	0.1	0.5	10	1.2	2	1.5	0.2	0.1	0.1	0.1	0.1	5.2
2000H-59	1	50	0.3	0.3	0.1	0.5	10	0.9	2	1.5	0.1	0.1	0.1	0.1	0.1	4.8
2000H-60	1	50	0.3	1.3	0.2	0.5	23	6.2	12	3.0	0.7	0.1	0.1	0.3	0.1	22.5
2000H-61	1	170	0.3	4.9	2.3	0.5	26	17.0	30	12.0	2.2	0.5	0.3	1.0	0.1	63.1
2000H-62	1	50	0.3	3.1	0.7	0.5	10	11.0	18	6.0	1.4	0.3	0.1	0.6	0.1	37.5
2000H-63	1	50	0.3	2.6	5.2	0.5	10	7.6	14	4.0	0.9	0.1	0.1	0.4	0.1	27.2
2000H-64	1	50	0.3	2.7	1.3	0.5	10	9.0	16	6.0	1.2	0.2	0.1	0.4	0.1	33.0
2000H-65	1	50	0.3	0.9	0.2	0.5	10	2.9	5	1.5	0.4	0.1	0.1	0.2	0.1	10.3
2000H-66	1	50	0.3	0.9	2.3	0.5	10	2.8	5	1.5	0.3	0.1	0.1	0.1	0.1	10.0
2000H-67	1	50	0.3	0.6	0.2	0.5	10	2.1	4	1.5	0.3	0.1	0.1	0.2	0.1	8.4
2000H-68	1	50	0.3	0.3	0.2	0.5	10	1.5	3	1.5	0.2	0.1	0.1	0.1	0.1	6.6
2000H-69-1 Field Duplicate	1	50	0.3	2.6	0.4	0.5	10	17.0	28	11.0	1.8	0.3	0.2	0.5	0.1	56.9
2000H-69-2 Field Duplicate	1	50	0.3	2.2	0.3	0.5	10	14.0	28	8.0	1.5	0.3	0.1	0.5	0.1	52.5
2000H-70	1	50	0.3	0.3	0.2	0.5	26	1.6	3	1.5	0.2	0.1	0.1	0.1	0.1	6.6
2000H-71	1	50	0.3	1.8	0.5	0.5	10	5.2	8	4.0	0.6	0.1	0.1	0.2	0.1	18.3
2000H-72	1	50	0.3	0.9	0.9	0.5	10	2.5	4	1.5	0.3	0.1	0.1	0.1	0.1	8.7
2000H-73	1	50	0.3	0.6	0.4	0.5	10	1.8	4	1.5	0.3	0.1	0.1	0.1	0.1	8.0
2000H-74	1	50	0.3	1.3	4.5	0.5	10	3.9	7	1.5	0.4	0.1	0.1	0.2	0.1	13.3
2000H-75	1	50	0.3	3.6	1.8	0.5	36	20.0	26	11.0	2.1	0.4	0.1	0.5	0.1	60.2
2000H-76-1 Field Duplicate	1	50	0.3	3.1	2.1	0.5	10	12.0	18	6.0	1.2	0.2	0.1	0.5	0.1	38.1
2000H-76-2 Field Duplicate	1	50	0.3	4.0	3.1	0.5	10	19.0	24	8.0	1.7	0.3	0.1	0.6	0.1	53.8
2000H-77	1	50	0.3	0.6	0.2	0.5	10	1.7	3	1.5	0.2	0.1	0.1	0.1	0.1	6.8
2000H-78	1	50	0.3	5.4	3.9	0.5	23	14.0	24	7.0	1.4	0.3	0.3	0.5	0.1	47.6
2000H-79	1	50	0.3	3.3	5.5	0.5	10	12.0	20	7.0	1.3	0.2	0.1	0.4	0.1	41.1
2000H-80	1	140	0.3	2.9	0.9	0.5	27	8.0	13	5.0	0.8	0.1	0.1	0.3	0.1	27.4
2000H-81	1	50	0.3	3.7	4.2	0.5	10	9.5	17	5.0	1.1	0.2	0.1	0.4	0.1	33.4
2000H-82	1	50	0.3	3.7	1.2	0.5	10	14.0	20	6.0	1.3	0.2	0.1	0.4	0.1	42.1
2000H-83	1	50	0.3	0.7	2.9	0.5	10	1.8	3	1.5	0.2	0.1	0.1	0.1	0.1	6.9
2000H-84	1	50	0.3	2.3	0.8	0.5	10	15.0	18	8.0	1.6	0.3	0.1	0.4	0.1	43.5
2000H-85	1	50	0.3	1.9	16.0	0.5	10	6.4	11	3.0	0.6	0.3	0.1	0.3	0.1	21.8
2000H-86	1	50	0.3	2.0	2.8	0.5	10	5.4	9	4.0	0.6	0.1	0.1	0.2	0.1	19.5
2000H-87	1	50	0.3	2.8	2.2	0.5	10	8.7	13	5.0	1.0	0.2	0.1	0.4	0.1	28.5
2000H-88	1	50	0.3	1.2	0.4	0.5	23	5.5	10	3.0	0.7	0.1	0.1	0.2	0.1	19.7
2000H-89	1	50	0.3	2.2	2.8	0.5	21	6.1	12	6.0	0.8	0.1	0.1	0.3	0.1	25.5
2000H-90	1	50	0.3	3.2	0.8	0.5	33	36.0	46	27.0	3.2	0.8	0.4	0.9	0.2	114.5
2000H-91	1	50	0.3	2.7	0.4	0.5	29	18.0	26	14.0	1.8	0.4	0.1	0.5	0.1	60.9
2000H-93	1	50	0.3	3.9	0.6	0.5	23	25.0	38	18.0	2.4	0.6	0.2	0.8	0.1	85.1
2000H-94	1	50	0.3	1.8	0.4	0.5	29	9.8	16	7.0	0.9	0.2	0.1	0.4	0.1	34.5
2000H-96	1	50	0.3	1.6	0.3	0.5	35	8.8	16	6.0	0.8	0.1	0.1	0.4	0.1	32.3
2000H-97	1	50	0.3	3.3	1.6	0.5	10	12.0	25	11.0	1.4	0.3	0.3	0.9	0.1	51.0
2000H-98	1	50	0.3	3.8	0.9	0.5	27	42.0	99	35.0	4.5	1.1	0.6	1.4	0.2	183.6
2000H-99	1	50	0.3	1.3	2.3	0.5	10	4.2	9	5.0	0.6	0.1	0.1	0.3	0.1	19.4
2000H-100	1	50	0.3	0.3	0.1	0.5	23	2.0	4	1.5	0.2	0.1	0.1	0.2	0.1	8.2
2000H-101	1	150	0.3	1.7	3.8	0.5	20	6.2	11	5.0	0.8	0.1	0.1	0.3	0.1	23.6
2000H-102-1 Field Duplicate	1	50	0.3	2.5	1.4	0.5	10	11.0	24	9.0	1.4	0.4	0.2	0.7	0.1	46.8
2000H-102-2 Field Duplicate	1	50	0.3	1.5	0.8	0.5	10	5.4	10	5.0	0.7	0.1	0.1	0.4	0.1	21.8
2000H-103	1	50	0.3	0.3	0.1	0.5	10	1.7	3	1.5	0.2	0.1	0.1	0.1	0.1	6.8
2000H-104	1	50	0.3	0.3	0.2	0.5	10	1.6	3	1.5	0.2	0.1	0.1	0.1	0.1	6.7
2000H-105	1	50	0.3	3.4	0.8	0.5	29	12.0	26	9.0	1.4	0.4	0.1	0.6	0.1	49.6

Sample Site	Se ppm	Sr ppm	Ta ppm	Th ppm	U ppm	W ppm	Zn ppm	La ppm	Ce ppm	Nd ppm	Sm ppm	Eu ppm	Tb ppm	Yb ppm	Lu ppm	Tree ppm
2000H-106	1	50	0.3	1.0	0.5	0.5	27	3.8	8	1.5	0.4	0.1	0.1	0.3	0.1	14.3
2000H-107	1	50	0.3	1.7	0.4	0.5	110	6.1	13	5.0	0.7	0.1	0.1	0.5	0.1	25.6
2000H-108	1	50	0.3	0.9	0.3	0.5	30	3.2	7	3.0	0.4	0.1	0.1	0.2	0.1	14.1
2000H-109	1	50	0.3	1.1	0.4	0.5	10	4.4	8	4.0	0.5	0.1	0.1	0.3	0.1	17.5
2000H-110	1	50	0.3	1.7	0.4	0.5	10	9.5	19	8.0	1.1	0.3	0.1	0.5	0.1	38.6
2000H-112	1	50	0.3	0.6	0.9	0.5	10	2.1	4	1.5	0.3	0.1	0.1	0.1	0.1	8.3
2000H-113	1	50	0.3	3.2	0.9	0.5	36	12.0	28	10.0	1.5	0.4	0.1	0.7	0.1	52.8
2000H-114	1	50	0.3	1.7	0.7	0.5	23	5.9	13	5.0	0.7	0.2	0.1	0.4	0.1	25.4
2000H-115	1	50	0.3	0.5	0.2	0.5	10	1.7	4	1.5	0.2	0.1	0.1	0.1	0.1	7.8
2000H-116	1	50	0.3	1.1	0.3	0.5	25	4.9	10	4.0	0.5	0.1	0.1	0.3	0.1	20.0
2000H-117	1	50	0.3	0.6	0.3	0.5	10	2.6	5	1.5	0.3	0.1	0.1	0.2	0.1	9.9
2000H-118	1	50	0.3	0.9	0.3	0.5	35	3.4	7	3.0	0.4	0.1	0.1	0.3	0.1	14.4
2000H-119	1	50	0.3	4.5	0.9	0.5	10	19.0	23	10.0	2.1	0.4	0.2	0.6	0.1	55.4
2000H-120	1	50	0.3	2.9	0.7	0.5	10	9.6	16	5.0	1.3	0.3	0.2	0.7	0.1	33.2
2000H-121	1	50	0.3	0.7	0.1	0.5	27	2.8	5	1.5	0.4	0.1	0.1	0.2	0.1	10.2
2000H-122	1	50	0.3	2.6	1.1	0.5	10	8.5	14	5.0	1.1	0.2	0.1	0.5	0.1	29.5
2000H-124	1	50	0.3	2.6	1.9	0.5	21	9.1	15	5.0	1.1	0.2	0.1	0.4	0.1	31.0
2000H-125	1	50	0.3	2.2	1.1	0.5	31	6.7	12	4.0	0.8	0.1	0.1	0.3	0.1	24.1
2000H-126	1	50	0.3	1.4	0.2	0.5	23	4.0	8	1.5	0.5	0.1	0.1	0.2	0.1	14.5
2000H-127	1	50	0.3	0.9	4.4	0.5	10	2.6	5	1.5	0.4	0.1	0.1	0.1	0.1	9.9
2000H-128	1	50	0.3	1.4	0.6	0.5	10	4.9	9	4.0	0.7	0.1	0.1	0.3	0.1	19.2
2000H-129	1	50	0.3	0.3	0.1	0.5	10	0.8	2	1.5	0.1	0.1	0.1	0.1	0.1	4.7
2000H-130-1 Field Duplicate	1	50	0.3	0.7	1.1	0.5	31	1.8	4	1.5	0.3	0.1	0.1	0.1	0.1	8.0
2000H-130-2 Field Duplicate	1	50	0.3	0.6	1.1	0.5	28	1.8	4	1.5	0.3	0.1	0.1	0.1	0.1	8.0
2000H-131	1	50	0.3	0.6	0.1	0.5	20	1.7	3	1.5	0.2	0.1	0.1	0.1	0.1	6.8
2000H-132	1	150	0.3	3.1	0.7	0.5	10	9.7	15	6.0	1.3	0.3	0.3	0.6	0.1	33.3
2000H-133	1	50	0.3	0.6	0.2	0.5	10	1.8	4	1.5	0.2	0.1	0.1	0.1	0.1	7.9
2000H-134	1	50	0.3	1.4	1.2	0.5	24	5.0	10	4.0	0.7	0.1	0.1	0.3	0.1	20.3
2000H-135	1	50	0.3	3.3	0.8	0.5	23	13.0	28	8.0	1.5	0.3	0.1	0.4	0.1	51.4
2000H-136	1	50	0.3	3.4	1.9	0.5	10	11.0	18	6.0	1.2	0.2	0.1	0.5	0.1	37.1
2000H-137-1 Field Duplicate	1	50	0.3	2.1	4.2	0.5	24	7.4	12	4.0	0.8	0.1	0.1	0.3	0.1	24.8
2000H-137-2 Field Duplicate	1	50	0.3	1.6	3.2	0.5	21	4.1	7	1.5	0.5	0.1	0.1	0.2	0.1	13.6
2000H-138	1	50	0.3	0.7	0.1	0.5	10	4.1	8	1.5	0.5	0.1	0.1	0.2	0.1	14.6
2000H-139	1	50	0.3	4.3	1.0	0.5	10	14.0	23	7.0	1.7	0.3	0.1	0.6	0.1	46.8
2000H-140	1	50	0.3	2.7	1.2	0.5	10	11.0	18	6.0	1.3	0.3	0.1	0.5	0.1	37.3
2000H-142	1	50	0.3	7.7	4.9	0.5	21	24.0	41	15.0	2.8	0.5	0.4	0.9	0.1	84.7
2000H-143	1	50	0.3	0.6	0.2	0.5	38	2.1	4	1.5	0.3	0.1	0.1	0.1	0.1	8.3
2000H-145	1	50	0.3	4.2	1.3	0.5	21	9.7	17	7.0	1.1	0.2	0.1	0.4	0.1	35.6
2000H-146	1	50	0.3	1.1	0.2	0.5	47	3.2	6	1.5	0.4	0.1	0.1	0.2	0.1	11.6
2000H-148	1	50	0.3	2.8	14.0	0.5	82	8.7	16	6.0	0.9	0.3	0.1	0.3	0.1	32.4
2000H-149-1 Field Duplicate	1	50	0.3	2.2	0.7	0.5	50	9.0	35	5.0	1.1	0.2	0.3	0.4	0.1	51.1
2000H-149-2 Field Duplicate	1	50	0.3	3.0	0.6	0.5	50	14.0	46	8.0	1.4	0.4	0.1	0.7	0.1	70.7
2000H-151	1	50	0.3	4.2	0.6	0.5	29	24.0	36	15.0	2.5	0.6	0.4	1.0	0.2	79.7
2000H-152	1	50	0.3	1.5	0.7	0.5	10	5.4	9	4.0	0.6	0.1	0.1	0.2	0.1	19.5
2000H-153	1	160	0.3	3.5	0.7	0.5	25	12.0	24	8.0	1.4	0.4	0.1	0.8	0.1	46.8
2000H-154	1	50	0.3	0.3	0.1	0.5	33	1.6	3	1.5	0.2	0.1	0.1	0.1	0.1	6.6
2000H-155	1	50	0.3	2.1	0.4	0.5	22	21.0	35	13.0	2.1	0.4	0.3	0.5	0.1	72.4
2000H-157	1	50	0.3	0.3	0.1	0.5	10	1.1	2	1.5	0.1	0.1	0.1	0.1	0.1	5.1
2000H-159	1	50	0.3	0.5	0.2	0.5	10	2.1	3	1.5	0.2	0.1	0.1	0.2	0.1	7.3
2000H-160	1	50	0.3	0.5	0.2	0.5	25	2.2	4	1.5	0.3	0.1	0.1	0.2	0.1	8.5
2000H-161	1	50	0.3	8.4	3.6	1.0	27	41.0	53	25.0	4.0	0.8	0.1	1.2	0.2	125.3
2000H-162	1	50	0.3	1.1	2.7	0.5	10	3.9	7	1.5	0.5	0.1	0.1	0.2	0.1	13.4
2000H-163	1	50	0.3	4.3	3.8	0.5	10	19.0	33	13.0	2.0	0.4	0.2	0.6	0.1	68.3
2000H-164	1	50	0.3	0.3	0.1	0.5	22	2.5	4	1.5	0.3	0.1	0.1	0.1	0.1	8.7

Sample Site	Se	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Tree
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
2000H-165	1	50	0.3	0.6	0.2	0.5	39	2.1	4	1.5	0.3	0.1	0.1	0.1	0.1	8.3
2000H-166	1	50	0.3	0.7	0.2	0.5	40	2.8	5	1.5	0.3	0.1	0.1	0.2	0.1	10.1
2000H-167	1	50	0.3	2.4	1.0	0.5	26	8.9	14	6.0	0.9	0.2	0.1	0.4	0.1	30.6
2000H-168	1	50	0.3	0.6	2.1	0.5	10	2.2	4	1.5	0.3	0.1	0.1	0.1	0.1	8.4
2000H-169	1	50	0.3	2.9	1.1	0.5	10	12.0	24	8.0	1.3	0.2	0.1	0.4	0.1	46.1
2000H-170	1	50	0.3	3.7	1.6	0.5	23	14.0	22	9.0	1.7	0.4	0.1	0.7	0.1	48.0
2000H-171-1 Field Duplicate	1	50	0.3	3.0	1.3	0.5	10	12.0	25	9.0	1.4	0.4	0.2	0.7	0.1	48.8
2000H-171-2 Field Duplicate	1	50	0.3	1.4	0.7	0.5	10	5.8	10	4.0	0.7	0.1	0.1	0.4	0.1	21.2
2000H-173	1	50	0.3	2.0	0.8	0.5	10	8.6	12	7.0	1.1	0.3	0.2	0.5	0.1	29.8
2000H-174	1	110	0.3	2.4	1.3	0.5	10	8.7	14	7.0	1.1	0.3	0.1	0.5	0.1	31.8
2000H-175	1	50	0.3	0.3	0.1	0.5	10	2.0	3	1.5	0.2	0.1	0.1	0.1	0.1	7.0
2000H-177	1	50	0.3	1.4	0.2	0.5	10	5.9	8	4.0	0.7	0.1	0.1	0.3	0.1	19.2
2000H-178	1	50	0.3	1.2	0.2	0.5	10	6.1	9	4.0	0.7	0.1	0.1	0.3	0.1	20.4
2000H-179-1 Field Duplicate	1	50	0.3	4.4	2.5	0.5	10	22.0	31	13.0	2.5	0.6	0.3	1.0	0.1	70.5
2000H-179-2 Field Duplicate	1	50	0.3	1.7	3.7	0.5	22	7.6	12	5.0	0.9	0.2	0.1	0.4	0.1	26.3
2000H-180	1	50	0.3	2.4	5.1	0.5	10	9.0	14	6.0	1.0	0.2	0.1	0.4	0.1	30.8
2000H-181	1	50	0.3	0.5	0.3	0.5	10	1.7	3	1.5	0.3	0.1	0.1	0.1	0.1	6.9
2000H-182	1	50	0.3	3.3	1.3	0.5	10	10.0	21	8.0	1.2	0.4	0.2	0.5	0.1	41.4
2000H-201	1	50	0.3	0.6	0.2	0.5	24	2.1	4	1.5	0.3	0.1	0.1	0.1	0.1	8.3
2000H-202	1	50	0.3	3.4	2.3	0.5	10	13.0	30	11.0	1.4	0.5	0.1	0.6	0.1	56.7
2000H-203	1	50	0.3	3.7	0.9	0.5	10	14.0	28	10.0	1.3	0.5	0.2	0.6	0.1	54.7
2000H-204	1	50	0.3	3.3	1.4	0.5	10	6.9	10	4.0	0.9	0.1	0.1	0.3	0.1	22.4
2000H-205	1	50	0.3	0.6	0.1	0.5	10	1.6	3	1.5	0.2	0.1	0.1	0.1	0.1	6.7
2000H-206	1	50	0.3	2.2	0.9	0.5	10	16.0	27	13.0	1.5	0.5	0.3	0.6	0.1	59.0
2000H-207	1	50	0.3	3.1	0.3	0.5	10	28.0	44	20.0	2.5	0.5	0.3	0.6	0.1	96.0
2000H-208	1	50	0.3	0.5	0.1	0.5	10	0.9	2	1.5	0.1	0.1	0.1	0.1	0.1	4.8
2000H-209	1	50	0.3	0.6	0.2	0.5	22	2.3	4	1.5	0.3	0.1	0.1	0.2	0.1	8.6
2000H-210	1	50	0.3	5.6	0.6	0.5	10	17.0	34	12.0	1.2	0.4	0.1	0.7	0.1	65.5
2000H-211	1	50	0.3	3.4	0.7	0.5	10	26.0	42	18.0	2.3	0.6	0.3	0.6	0.1	89.9
2000H-212	1	50	0.3	2.2	0.5	0.5	10	8.5	18	7.0	1.0	0.5	0.1	0.5	0.1	35.7
2000H-213	1	50	0.3	0.8	2.6	0.5	10	2.7	5	1.5	0.3	0.1	0.1	0.2	0.1	10.0
2000H-214	1	50	0.3	2.1	0.5	0.5	10	6.6	12	6.0	0.8	0.3	0.1	0.4	0.1	26.3
2000H-215	1	50	0.3	1.8	8.4	0.5	10	6.8	10	4.0	0.8	0.1	0.1	0.3	0.1	22.2
2000H-216	1	50	0.3	1.2	0.6	0.5	10	4.7	9	3.0	0.6	0.1	0.1	0.3	0.1	17.9
2000H-217	1	50	0.3	3.2	0.6	0.5	10	11.0	23	4.0	0.9	0.3	0.2	0.6	0.1	40.1
2000H-218-1 Field Duplicate	1	210	0.3	3.5	4.3	0.5	10	13.0	25	7.0	1.3	0.3	0.3	0.6	0.1	47.6
2000H-218-2 Field Duplicate	1	50	0.3	2.9	4.3	0.5	10	12.0	24	6.0	1.2	0.3	0.2	0.5	0.1	44.3
2000H-219	1	200	0.3	3.8	0.9	0.5	10	14.0	28	6.0	1.4	0.3	0.3	0.6	0.1	50.7
2000H-220	1	50	0.3	3.0	0.7	0.5	10	42.0	82	21.0	3.9	0.8	0.5	0.8	0.1	151.1
2000H-221	1	50	0.3	1.8	0.5	0.5	10	7.5	12	5.0	0.9	0.1	0.1	0.4	0.1	26.1
2000H-222	1	50	0.3	2.0	0.6	0.5	30	6.4	12	4.0	0.8	0.1	0.1	0.4	0.1	23.9
2000H-223	1	50	0.3	1.5	0.5	0.5	10	8.3	11	5.0	0.9	0.1	0.1	0.3	0.1	25.8
2000H-224	1	50	0.3	2.9	0.7	0.5	10	17.0	40	13.0	1.9	0.4	0.3	0.4	0.1	73.1
2000H-225	1	50	0.3	0.5	5.8	0.5	10	2.0	4	1.5	0.2	0.1	0.1	0.1	0.1	8.1
2000H-226	1	110	0.3	3.6	2.0	0.5	10	9.3	17	7.0	1.3	0.3	0.1	0.5	0.1	35.6
2000H-227	1	50	0.3	2.7	0.5	0.5	10	18.0	24	11.0	1.8	0.4	0.2	0.5	0.1	56.0
2000H-228	1	50	0.3	1.9	1.1	0.5	10	6.2	12	4.0	0.9	0.2	0.1	0.4	0.1	23.9
2000H-229	1	50	0.3	0.3	0.7	0.5	21	1.5	3	1.5	0.2	0.1	0.1	0.1	0.1	6.6
2000H-230	1	50	0.3	2.0	0.6	0.5	10	6.4	12	5.0	0.9	0.2	0.1	0.4	0.1	25.1
2000H-231-1 Field Duplicate	1	120	0.3	3.2	2.4	0.5	24	12.0	22	9.0	1.7	0.4	0.2	0.7	0.1	46.1
2000H-231-2 Field Duplicate	1	120	0.3	2.6	5.3	0.5	10	9.3	18	7.0	1.2	0.3	0.2	0.5	0.1	36.6
2000H-232	1	50	0.3	1.8	0.7	0.5	10	6.7	13	5.0	0.9	0.2	0.1	0.5	0.1	26.5
2000H-233	1	50	0.3	2.0	1.5	0.5	10	7.7	14	5.0	1.0	0.2	0.1	0.4	0.1	28.5
2000H-234	1	50	0.3	0.9	1.1	0.5	10	2.9	6	1.5	0.4	0.1	0.1	0.2	0.1	11.3

Sample Site	Se ppm	Sr ppm	Ta ppm	Th ppm	U ppm	W ppm	Zn ppm	La ppm	Ce ppm	Nd ppm	Sm ppm	Eu ppm	Tb ppm	Yb ppm	Lu ppm	Tree ppm
2000H-235	1	50	0.3	0.3	0.3	0.5	24	1.3	3	1.5	0.2	0.1	0.1	0.1	0.1	6.3
2000H-236	1	50	0.3	1.1	1.9	0.5	10	3.9	8	1.5	0.5	0.1	0.1	0.2	0.1	14.4
2000H-237	1	50	0.3	0.5	0.6	0.5	10	1.6	3	1.5	0.2	0.1	0.1	0.1	0.1	6.7
2000H-238	1	50	0.3	2.5	0.9	0.5	10	8.9	16	7.0	1.2	0.3	0.1	0.5	0.1	34.1
2000H-239	1	50	0.3	1.8	2.3	0.5	10	6.1	11	4.0	0.9	0.1	0.1	0.4	0.1	22.7
2000H-240	1	50	0.3	2.1	0.6	0.5	43	7.4	14	5.0	1.0	0.2	0.1	0.5	0.1	28.3
2000H-241	1	50	0.3	1.4	1.1	0.5	10	4.7	9	4.0	0.7	0.1	0.1	0.3	0.1	19.0
2000H-242	1	50	0.3	1.1	3.9	0.5	10	3.8	8	1.5	0.5	0.1	0.1	0.2	0.1	14.3
2000H-243	1	50	0.3	0.8	1.2	0.5	10	2.7	6	1.5	0.4	0.1	0.1	0.2	0.1	11.1
2000H-244	1	50	0.3	0.6	3.7	0.5	29	2.0	4	1.5	0.2	0.1	0.1	0.1	0.1	8.1
2000H-245	1	50	0.3	0.3	1.0	0.5	10	1.1	2	1.5	0.1	0.1	0.1	0.1	0.1	5.0
2000H-246	1	140	0.3	4.2	3.9	0.5	10	16.0	29	11.0	2.2	0.5	0.4	1.0	0.1	60.2
2000H-247	1	140	0.3	4.2	1.8	0.5	10	14.0	27	10.0	1.9	0.4	0.3	1.0	0.2	54.8
2000H-248	1	50	0.3	2.4	0.8	0.5	27	11.0	22	8.0	1.5	0.3	0.2	0.6	0.1	43.7
2000H-249	1	50	0.3	2.5	1.3	0.5	10	8.7	16	6.0	1.2	0.3	0.1	0.6	0.1	33.0
2000H-250-1 Field Duplicate	1	50	0.3	2.7	0.6	0.5	39	9.0	16	7.0	1.3	0.3	0.1	0.7	0.1	34.5
2000H-250-2 Field Duplicate	1	50	0.3	2.3	1.2	0.5	21	9.9	15	7.0	1.4	0.3	0.1	0.6	0.1	34.4
2000H-251	1	110	0.3	4.3	1.4	0.5	10	15.0	27	10.0	2.0	0.5	0.3	1.1	0.2	56.1
2000H-252	1	50	0.3	3.5	1.3	0.5	10	15.0	23	11.0	1.9	0.4	0.2	0.8	0.1	52.4
2000H-253	1	50	0.3	3.2	8.0	0.5	10	14.0	23	10.0	1.6	0.3	0.2	0.5	0.1	49.7
2000H-254	1	50	0.3	0.8	0.7	0.5	10	2.6	5	1.5	0.3	0.1	0.1	0.1	0.1	9.8
2000H-255	1	50	0.3	0.3	0.2	0.5	10	1.4	3	1.5	0.2	0.1	0.1	0.1	0.1	6.5
2000H-256	1	50	0.3	3.0	1.2	0.5	22	11.0	20	9.0	1.5	0.3	0.2	0.7	0.1	42.8
2000H-257	1	50	0.3	1.5	1.2	0.5	10	5.8	11	4.0	0.8	0.1	0.1	0.4	0.1	22.3
2000H-258	1	50	0.3	0.9	1.2	0.5	10	3.2	7	1.5	0.4	0.1	0.1	0.2	0.1	12.6
2000H-259	1	150	0.3	0.9	3.3	0.5	10	3.3	6	1.5	0.4	0.1	0.1	0.2	0.1	11.7
2000H-260	1	50	0.3	0.9	0.8	0.5	10	2.7	5	1.5	0.3	0.1	0.1	0.2	0.1	10.0
2000H-261	1	50	0.3	0.8	8.5	0.5	59	2.7	4	1.5	0.3	0.1	0.1	0.1	0.1	8.9
2000H-262	1	50	0.3	2.4	2.8	0.5	21	10.0	17	7.0	1.3	0.3	0.2	0.5	0.1	36.4
2000H-263	1	50	0.3	2.7	1.2	0.5	22	9.6	18	7.0	1.3	0.3	0.1	0.6	0.1	37.0
2000H-264	1	120	0.3	3.9	1.4	0.5	10	14.0	25	11.0	2.0	0.5	0.4	1.1	0.1	54.1
2000H-265-1 Field Duplicate	1	50	0.3	0.6	0.2	0.5	38	1.8	3	1.5	0.3	0.1	0.1	0.1	0.1	7.0
2000H-265-2 Field Duplicate	1	50	0.3	1.1	0.3	0.5	10	3.4	5	1.5	0.5	0.1	0.1	0.2	0.1	10.9
2000H-266	1	50	0.3	2.6	2.7	0.5	10	10.0	19	8.0	1.4	0.3	0.2	0.7	0.1	39.7
2000H-267	1	50	0.3	3.1	1.3	0.5	27	12.0	19	9.0	1.6	0.4	0.3	0.7	0.1	43.1
2000H-268	1	50	0.3	0.6	1.6	0.5	10	1.8	3	1.5	0.2	0.1	0.1	0.1	0.1	6.9
2000H-269	1	50	0.3	0.6	1.1	0.5	10	1.6	3	1.5	0.2	0.1	0.1	0.1	0.1	6.7
2000H-270	1	50	0.3	5.2	2.1	0.5	24	35.0	41	21.0	3.5	0.7	0.5	1.0	0.1	102.8
2000H-271	1	50	0.3	0.6	0.3	0.5	27	1.8	3	1.5	0.3	0.1	0.1	0.1	0.1	7.0
2000H-272	1	50	0.3	2.9	2.0	0.5	10	7.7	12	6.0	1.1	0.2	0.1	0.4	0.1	27.6
2000H-273	1	100	0.3	2.9	0.8	0.5	20	11.0	19	8.0	1.5	0.3	0.2	0.7	0.1	40.8
2000H-274	1	50	0.3	1.8	1.5	0.5	24	6.0	11	4.0	0.9	0.1	0.1	0.4	0.1	22.6
2000H-275	1	110	0.3	4.7	1.5	0.5	35	14.0	21	10.0	1.7	0.3	0.1	0.5	0.1	47.7
2000H-276	1	50	0.3	2.3	0.9	0.5	10	8.3	15	6.0	1.1	0.3	0.1	0.6	0.1	31.5
2000H-277	1	50	0.3	2.9	3.0	0.5	10	10.0	19	7.0	1.4	0.3	0.2	0.6	0.1	38.6
2000H-278	1	50	0.3	0.3	1.3	0.5	10	1.1	2	1.5	0.1	0.1	0.1	0.1	0.1	5.0
2000H-279	1	50	0.3	0.3	5.3	0.5	10	1.8	3	1.5	0.2	0.1	0.1	0.1	0.1	6.9
2000H-280	1	50	0.3	5.4	1.4	0.5	49	20.0	33	13.0	2.4	0.5	0.3	0.9	0.1	70.2
2000H-281-1 Field Duplicate	1	50	0.3	2.2	0.6	0.5	10	7.0	13	5.0	1.0	0.2	0.1	0.5	0.1	26.9
2000H-281-2 Field Duplicate	1	50	0.3	2.0	0.7	0.5	10	6.7	13	4.0	0.9	0.1	0.1	0.4	0.1	25.3
2000H-282	1	50	0.3	1.1	0.5	0.5	10	3.0	7	1.5	0.4	0.1	0.1	0.2	0.1	12.4
2000H-283	1	50	0.3	2.2	0.9	0.5	10	9.9	16	6.0	1.2	0.2	0.1	0.5	0.1	34.0
2000H-284	1	50	0.3	2.3	1.5	0.5	10	9.8	17	6.0	1.1	0.2	0.1	0.4	0.1	34.7
2000H-285	1	50	0.3	1.8	1.2	0.5	23	5.8	11	4.0	0.8	0.1	0.2	0.3	0.1	22.3

Sample Site	Se ppm	Sr ppm	Ta ppm	Th ppm	U ppm	W ppm	Zn ppm	La ppm	Ce ppm	Nd ppm	Sm ppm	Eu ppm	Tb ppm	Yb ppm	Lu ppm	Tree ppm
2000H-286	1	50	0.3	0.3	0.1	0.5	10	1.1	2	1.5	0.2	0.1	0.1	0.1	0.1	5.1
2000H-287	1	50	0.3	0.6	0.3	0.5	10	1.6	3	1.5	0.2	0.1	0.1	0.1	0.1	6.7
2000H-288	1	100	0.3	2.5	1.4	0.5	10	9.5	17	6.0	1.2	0.3	0.1	0.5	0.1	34.7
2000H-289	1	50	0.3	1.2	1.2	0.5	10	3.7	6	1.5	0.5	0.1	0.1	0.2	0.1	12.2
2000H-290	1	110	0.3	0.8	5.3	0.5	10	2.4	4	1.5	0.3	0.1	0.1	0.1	0.1	8.6
2000H-291	1	50	0.3	0.3	0.3	0.5	10	1.2	2	1.5	0.2	0.1	0.1	0.1	0.1	5.2
2000H-292	1	50	0.3	1.6	2.8	0.5	10	6.1	11	4.0	0.8	0.1	0.1	0.4	0.1	22.6
2000H-293	1	50	0.3	0.3	0.9	0.5	10	1.5	2	1.5	0.2	0.1	0.1	0.1	0.1	5.5
2000H-294	1	50	0.3	2.2	4.1	0.5	10	8.5	15	5.0	1.1	0.2	0.1	0.4	0.1	30.4
2000H-295	1	50	0.3	2.3	2.5	0.5	10	8.9	14	6.0	1.1	0.2	0.2	0.5	0.1	31.0
2000H-296	1	50	0.3	0.3	0.4	0.5	10	1.3	2	1.5	0.2	0.1	0.1	0.1	0.1	5.3
2000H-297	1	50	0.3	2.8	3.5	0.5	10	12.0	18	7.0	1.5	0.3	0.1	0.6	0.1	39.6
2000H-298	1	50	0.3	1.5	12.0	0.5	10	4.9	10	1.5	0.6	0.2	0.1	0.3	0.1	17.7
2000H-299	1	50	0.3	0.7	0.5	0.5	31	2.1	4	1.5	0.3	0.1	0.1	0.1	0.1	8.3
2000H-300	1	50	0.3	1.6	1.1	0.5	53	5.4	10	4.0	0.7	0.1	0.1	0.3	0.1	20.7
2000H-301	1	50	0.3	5.2	2.6	0.5	10	28.0	38	15.0	3.0	0.6	0.1	1.0	0.1	85.8
2000H-302	1	50	0.3	0.9	0.7	0.5	10	2.2	4	1.5	0.3	0.1	0.1	0.1	0.1	8.4
2000H-303	1	50	0.3	0.6	6.0	0.5	10	2.0	4	1.5	0.2	0.1	0.1	0.1	0.1	8.0
2000H-304	1	50	0.3	1.1	18.0	0.5	10	3.9	8	1.5	0.5	0.1	0.1	0.2	0.1	14.4
2000H-305	1	50	0.3	1.6	5.6	0.5	10	5.7	11	4.0	0.7	0.1	0.1	0.3	0.1	22.0
2000H-306	1	50	0.3	1.6	0.7	0.5	10	4.6	9	3.0	0.6	0.1	0.1	0.2	0.1	17.7
2000H-307	1	50	0.3	1.9	4.7	0.5	10	8.6	11	5.0	1.0	0.2	0.1	0.3	0.1	26.3
2000H-308	1	50	0.3	2.7	1.1	0.5	41	12.0	24	11.0	1.4	0.3	0.1	0.7	0.1	49.6
2000H-309	1	50	0.3	3.4	3.2	0.5	10	22.0	36	20.0	2.3	0.4	0.3	0.8	0.1	81.9
2000H-310-1 Field Duplicate	1	50	0.3	2.8	4.0	0.5	26	10.0	21	11.0	1.4	0.3	0.1	0.6	0.1	44.5
2000H-310-2 Field Duplicate	1	50	0.3	2.7	4.5	0.5	33	10.0	22	11.0	1.3	0.3	0.1	0.6	0.1	45.4
2000H-311	1	50	0.3	1.1	2.2	0.5	10	4.4	10	5.0	0.6	0.1	0.1	0.3	0.1	20.6
2000H-312	1	50	0.3	3.0	2.6	0.5	10	12.0	25	12.0	1.7	0.4	0.1	0.9	0.1	52.2
2000H-313	1	50	0.3	4.2	13.0	0.5	10	18.0	25	18.0	2.3	0.4	0.1	0.8	0.1	64.7
2000H-314	1	50	0.3	0.6	0.2	0.5	10	2.1	5	1.5	0.3	0.1	0.1	0.2	0.1	9.4
2000H-315	1	50	0.3	0.3	11.0	0.5	10	1.9	5	4.0	0.4	0.1	0.1	0.1	0.1	11.7
2000H-316	1	50	0.3	0.3	1.9	0.5	10	1.5	3	1.5	0.2	0.1	0.1	0.1	0.1	6.5
2000H-317	1	50	0.3	1.9	1.6	0.5	10	7.3	15	7.0	0.9	0.3	0.1	0.5	0.1	31.2
2000H-318	1	50	0.3	0.3	0.1	0.5	33	1.1	3	4.0	0.2	0.1	0.1	0.1	0.1	8.6
2000H-319	1	50	0.3	0.9	0.6	0.5	10	3.0	7	1.5	0.4	0.1	0.1	0.2	0.1	12.4
2000H-320	1	50	0.3	3.3	6.5	0.5	29	14.0	27	13.0	1.8	0.4	0.1	0.7	0.1	57.1
2000H-321	1	50	0.3	7.6	1.8	0.5	41	26.0	48	21.0	2.6	0.6	0.1	1.0	0.2	99.5
2000H-322	1	50	0.3	0.3	0.2	0.5	10	0.9	2	1.5	0.1	0.1	0.1	0.1	0.1	4.8
2000H-323	1	190	0.3	0.5	2.5	0.5	10	2.4	5	3.0	0.3	0.1	0.1	0.2	0.1	11.2
2000H-324	1	50	0.3	0.8	18.0	0.5	10	2.9	7	6.0	0.6	0.1	0.1	0.1	0.1	16.9
2000H-325	1	50	0.3	2.8	1.5	0.5	10	17.0	25	11.0	1.5	0.3	0.1	0.6	0.1	55.6
2000H-326	1	50	0.3	8.8	3.4	0.5	59	44.0	52	32.0	3.9	0.9	0.1	1.3	0.2	134.4
2000H-327	1	50	0.3	0.3	0.2	0.5	31	1.2	3	1.5	0.2	0.1	0.1	0.1	0.1	6.2
2000H-328	1	50	0.3	7.3	1.9	0.5	41	18.0	40	16.0	2.0	0.4	0.1	0.9	0.1	77.5
2000H-329-1 Field Duplicate	1	50	0.3	1.2	1.5	0.5	10	4.7	10	5.0	0.6	0.1	0.1	0.3	0.1	20.9
2000H-329-2 Field Duplicate	1	50	0.3	0.5	1.9	0.5	10	1.7	3	4.0	0.3	0.1	0.1	0.1	0.1	9.4
2000H-330	1	210	0.3	3.1	2.8	0.5	32	13.0	27	16.0	1.6	0.4	0.1	0.8	0.1	59.0
2000H-331	1	50	0.3	3.4	1.7	0.5	10	12.0	24	12.0	1.6	0.4	0.1	0.8	0.1	51.0
2000H-332	1	50	0.3	5.6	1.1	2.0	10	21.0	43	18.0	2.3	0.5	0.1	0.8	0.1	85.8
2000H-333	1	50	0.3	1.3	2.8	0.5	10	5.3	12	6.0	0.8	0.1	0.1	0.4	0.1	24.8
2000H-334	1	50	0.3	0.5	1.4	0.5	10	1.8	4	1.5	0.3	0.1	0.1	0.1	0.1	8.0
2000H-335	1	180	0.3	4.1	1.6	0.5	31	19.0	28	15.0	2.4	0.6	0.2	1.2	0.2	66.6
2000H-336	1	50	0.3	3.3	0.9	0.5	10	12.0	19	8.0	1.4	0.3	0.1	0.6	0.1	41.5
2000H-337	1	50	0.3	2.3	5.1	0.5	10	9.8	17	7.0	1.2	0.3	0.1	0.6	0.1	36.1

Sample Site	Se ppm	Sr ppm	Ta ppm	Th ppm	U ppm	W ppm	Zn ppm	La ppm	Ce ppm	Nd ppm	Sm ppm	Eu ppm	Tb ppm	Yb ppm	Lu ppm	Tree ppm
2000H-338	1	50	0.3	0.3	7.1	0.5	10	1.6	3	1.5	0.3	0.1	0.1	0.1	0.1	6.7
2000H-339	1	50	0.3	1.7	4.6	0.5	10	6.6	13	5.0	0.9	0.2	0.1	0.3	0.1	26.2
2000H-340	1	50	0.3	0.3	0.2	0.5	10	1.4	3	1.5	0.2	0.1	0.1	0.1	0.1	6.5
2000H-341	1	50	0.3	0.7	0.2	0.5	10	2.3	4	1.5	0.3	0.1	0.1	0.2	0.1	8.6
2000H-342	1	50	0.3	0.3	0.1	0.5	21	1.4	3	1.5	0.2	0.1	0.1	0.1	0.1	6.5
2000H-343	1	50	0.3	1.7	3.2	0.5	10	7.1	13	5.0	0.8	0.1	0.1	0.3	0.1	26.5
2000H-344	1	50	0.3	1.4	3.5	0.5	10	7.2	11	5.0	0.9	0.1	0.1	0.3	0.1	24.7
2000H-345-1 Field Duplicate	1	50	0.3	4.4	0.7	0.5	27	13.0	21	9.0	1.5	0.4	0.1	0.8	0.1	45.9
2000H-345-2 Field Duplicate	1	50	0.3	2.9	0.5	0.5	21	10.0	17	7.0	1.2	0.3	0.3	0.6	0.1	36.5
2000H-346	1	50	0.3	2.2	3.3	0.5	10	9.2	16	6.0	1.1	0.2	0.1	0.4	0.1	33.1
2000H-347	1	110	0.3	2.0	4.6	0.5	10	8.4	15	6.0	1.0	0.3	0.1	0.5	0.1	31.4
2000H-348	1	50	0.3	5.8	4.9	0.5	69	25.0	42	18.0	2.7	0.7	0.1	1.2	0.2	89.9
2000H-349	1	50	0.3	2.4	2.7	0.5	42	16.0	18	10.0	1.7	0.4	0.2	0.6	0.1	47.0
2000H-350	1	50	0.3	3.0	2.3	0.5	21	13.0	20	9.0	1.6	0.4	0.1	0.7	0.1	44.9
2000H-351	1	50	0.3	3.0	1.0	0.5	32	13.0	25	10.0	1.6	0.4	0.2	1.0	0.2	51.4
2000H-352	2	50	0.3	1.2	4.9	0.5	10	5.0	10	4.0	0.6	0.1	0.1	0.3	0.1	20.2
2000H-353	1	50	0.3	0.8	0.7	0.5	10	3.7	7	1.5	0.4	0.1	0.1	0.2	0.1	13.1
2000H-354	1	50	0.3	4.2	2.1	0.5	10	20.0	29	14.0	2.3	0.5	0.3	1.1	0.2	67.4
2000H-355	1	50	0.3	1.3	3.2	0.5	10	7.4	12	5.0	0.8	0.1	0.1	0.3	0.1	25.8
2000H-356	1	50	0.3	0.5	0.1	0.5	10	1.5	3	1.5	0.2	0.1	0.1	0.1	0.1	6.6
2000H-357	1	50	0.3	4.4	2.4	0.5	28	25.0	33	17.0	2.8	0.6	0.4	1.0	0.2	80.0
2000H-358	1	140	0.3	1.6	2.0	0.5	36	6.5	10	5.0	0.8	0.1	0.1	0.3	0.1	22.9
2000H-359	1	50	0.3	0.7	0.2	0.5	10	2.3	4	1.5	0.3	0.1	0.1	0.2	0.1	8.6
2000H-360	1	50	0.3	3.2	0.4	0.5	23	11.0	17	7.0	1.1	0.2	0.1	0.4	0.1	36.9
2000H-361	1	130	0.3	2.6	2.9	0.5	10	10.0	18	8.0	1.3	0.3	0.1	0.6	0.1	38.4
2000H-362	1	50	0.3	7.4	1.3	0.5	65	34.0	60	20.0	3.5	0.8	0.4	1.2	0.2	120.1
2000H-363	1	50	0.3	1.2	9.8	0.5	10	2.9	6	1.5	0.4	0.1	0.1	0.2	0.1	11.3
2000H-364	1	150	0.3	3.6	1.7	0.5	10	16.0	24	10.0	1.8	0.4	0.2	0.8	0.1	53.3
2000H-365	1	120	0.3	3.8	2.1	0.5	10	17.0	26	12.0	2.0	0.5	0.3	1.0	0.1	58.9
2000H-366	1	50	0.3	0.9	1.2	0.5	10	4.1	6	1.5	0.5	0.1	0.1	0.2	0.1	12.6
2000H-367	1	140	0.3	2.1	1.9	0.5	10	8.7	15	6.0	1.1	0.3	0.1	0.5	0.1	31.8
2000H-368	1	50	0.3	3.0	1.0	0.5	10	11.0	16	7.0	1.2	0.3	0.1	0.5	0.1	36.2

Appendix H-5

Duplicate Pair INA Analyses.

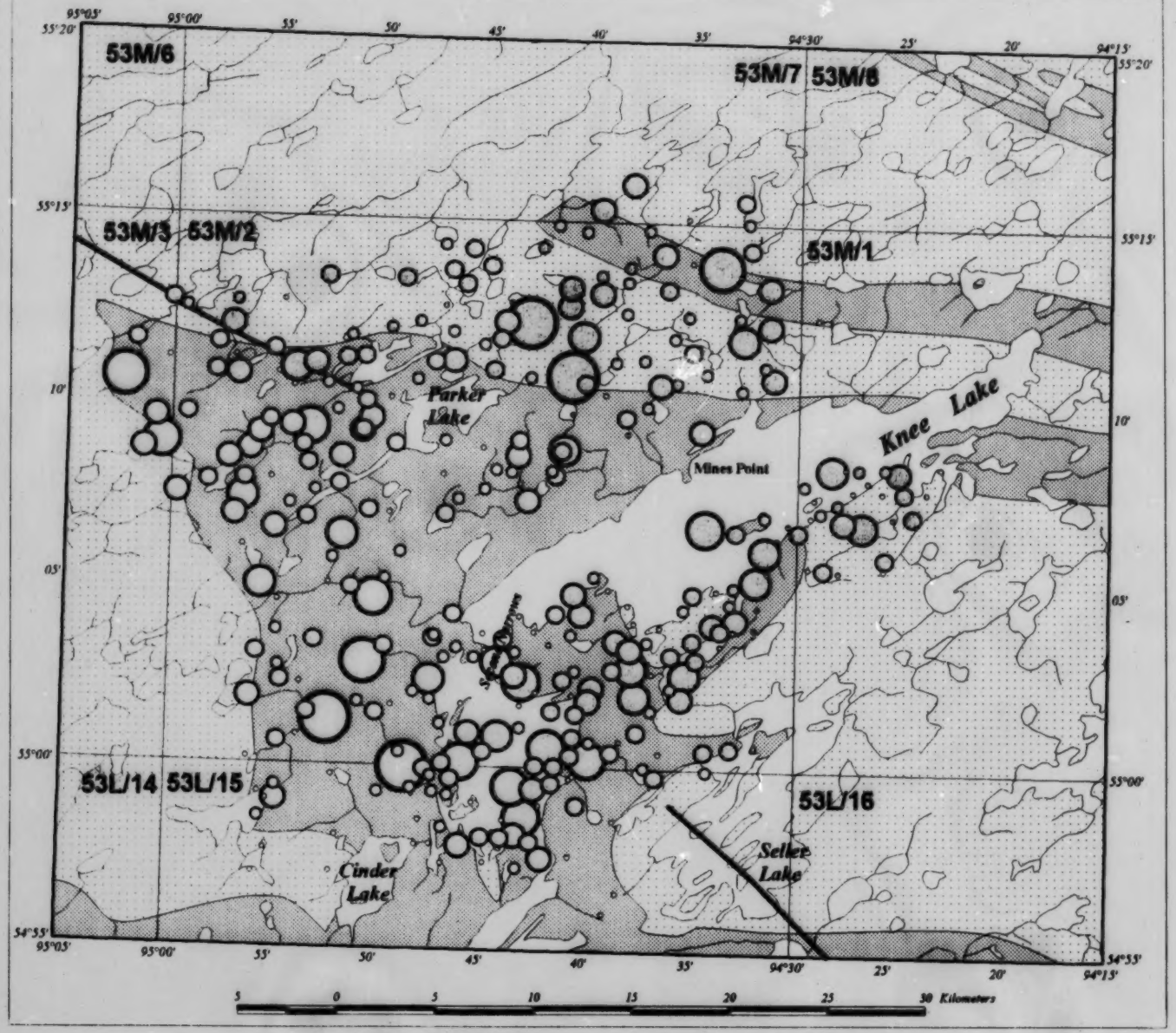
Sample Site	UTM Easting	UTM Northing	Au ppb	Ag ppm	As ppm	Ba ppm	Br ppm	Ca %	Co ppm	Cr ppm	Cs ppm	Fe %	Hf ppm	Hg ppm	Ir ppb	Mo ppm	Na ppm	Ni ppm	Rb ppm	Sb ppm	Sc ppm
2000H-16-1 Field Duplicate	389243.59	6093479.00	0.5	1	0.6	25	7.7	0.2	0.5	2	0.6	0.08	0.3	0.3	2.5	0.3	291	5	7.5	0.2	0.3
2000H-16-2 Field Duplicate	389243.59	6093479.00	0.5	1	0.7	64	6.5	0.3	0.5	4	0.3	0.14	0.3	0.3	2.5	0.3	553	5	7.5	0.2	0.6
2000H-35-1 Field Duplicate	386267.97	6101746.50	1.0	1	1.4	170	4.7	1.7	3.0	17	0.7	0.74	4.0	0.3	2.5	0.3	8200	5	24.0	0.2	4.1
2000H-35-2 Field Duplicate	386267.97	6101746.50	0.5	1	1.5	110	10.0	3.8	3.0	8	0.3	0.49	1.4	0.3	2.5	0.7	2360	5	7.5	0.1	1.9
2000H-53-1 Field Duplicate	399544.66	6095816.50	0.5	1	1.3	130	5.6	1.8	3.0	13	1.2	0.54	1.4	0.3	2.5	0.3	2820	5	23.0	0.3	2.3
2000H-53-2 Field Duplicate	399544.66	6095816.50	0.5	1	1.8	130	5.5	2.1	3.0	14	1.0	0.56	1.6	0.3	2.5	0.3	3100	5	18.0	0.3	2.3
2000H-69-1 Field Duplicate	398290.31	6099503.50	1.0	1	2.0	120	7.0	0.8	3.0	11	0.6	0.54	0.6	0.3	2.5	0.3	1210	5	16.0	0.4	2.0
2000H-69-2 Field Duplicate	398290.31	6099503.50	0.5	1	1.9	100	7.6	0.9	2.0	9	0.6	0.45	0.5	0.3	2.5	0.3	1050	5	7.5	0.4	1.7
2000H-76-1 Field Duplicate	405489.13	6108952.50	0.5	1	1.6	120	12.0	3.2	2.0	12	0.8	0.58	0.9	0.3	2.5	0.3	2530	5	22.0	0.3	2.2
2000H-76-2 Field Duplicate	405489.13	6108952.50	0.5	1	1.6	150	8.5	2.6	4.0	16	1.2	0.87	1.0	0.3	2.5	0.3	4010	5	29.0	0.2	3.0
2000H-102-1 Field Duplicate	392650.41	6096653.00	0.5	1	2.0	160	10.0	5.4	3.0	13	0.3	0.71	1.8	0.3	2.5	0.3	2580	5	7.5	0.1	2.5
2000H-102-2 Field Duplicate	392650.41	6096653.00	0.5	1	1.7	100	11.0	3.9	2.0	10	0.3	0.38	0.9	0.3	2.5	0.3	1980	5	7.5	0.2	1.5
2000H-130-1 Field Duplicate	392870.50	6104868.50	1.0	1	1.6	25	13.0	1.8	2.0	3	0.3	0.29	0.3	0.3	2.5	4.4	521	5	7.5	0.2	0.6
2000H-130-2 Field Duplicate	392870.50	6104868.50	0.5	1	2.8	69	14.0	2.2	1.0	3	0.3	0.60	0.3	0.3	2.5	2.7	444	5	7.5	0.2	0.6
2000H-137-1 Field Duplicate	398893.06	6102443.50	0.5	1	1.7	110	13.0	4.1	2.0	10	0.7	0.51	0.6	0.3	2.5	0.3	1240	5	7.5	0.2	1.6
2000H-137-2 Field Duplicate	398893.06	6102443.50	0.5	1	1.6	94	13.0	4.1	2.0	9	0.6	0.41	0.3	0.3	2.5	0.3	654	5	7.5	0.1	1.2
2000H-149-1 Field Duplicate	402139.66	6105434.00	2.0	1	2.6	400	6.6	1.6	33.0	9	3.3	1.06	0.9	0.3	2.5	0.3	1850	5	35.0	0.2	2.1
2000H-149-2 Field Duplicate	402139.66	6105434.00	0.5	1	3.0	360	6.0	1.5	82.0	13	2.6	1.33	2.6	0.3	2.5	1.4	3860	5	45.0	0.3	3.8
2000H-171-1 Field Duplicate	400308.25	6102973.00	0.5	1	1.6	180	23.0	4.9	3.0	13	0.6	0.67	2.8	0.3	2.5	0.3	5110	5	24.0	0.1	2.8
2000H-171-2 Field Duplicate	400308.25	6102973.00	0.5	1	1.7	110	18.0	4.0	2.0	8	0.3	0.40	1.4	0.3	2.5	0.3	2730	5	7.5	0.1	1.5
2000H-179-1 Field Duplicate	382763.03	6098971.50	2.0	1	2.0	130	21.0	5.5	5.0	19	1.1	1.06	2.6	0.3	2.5	0.3	4740	5	25.0	0.3	4.1
2000H-179-2 Field Duplicate	382763.03	6098971.50	0.5	1	1.7	130	20.0	6.0	2.0	9	0.5	0.47	1.1	0.3	2.5	2.0	1860	5	7.5	0.1	1.7
2000H-218-1 Field Duplicate	389764.00	6111144.00	0.5	1	1.2	200	19.0	4.9	3.0	17	0.7	0.83	2.5	0.3	2.5	0.3	4680	5	25.0	0.1	2.8
2000H-218-2 Field Duplicate	389764.00	6111144.00	0.5	1	1.3	180	18.0	4.5	3.0	15	0.7	0.71	2.4	0.3	2.5	0.3	3980	5	20.0	0.2	2.5
2000H-231-1 Field Duplicate	382258.53	6113338.50	1.0	1	1.9	170	20.0	4.4	3.0	16	1.0	0.73	1.5	0.3	2.5	0.3	3120	5	20.0	0.3	2.6
2000H-231-2 Field Duplicate	382258.53	6113338.50	1.0	1	2.0	140	21.0	4.1	3.0	13	0.7	0.57	1.0	0.3	2.5	0.3	2500	5	7.5	0.3	2.0
2000H-250-1 Field Duplicate	392449.16	6112208.50	1.0	1	2.8	230	12.0	3.0	3.0	15	1.0	0.63	2.6	0.3	2.5	0.3	4050	5	24.0	0.3	2.4
2000H-250-2 Field Duplicate	392449.16	6112208.50	0.5	1	2.6	120	17.0	4.2	2.0	11	0.9	0.49	1.2	0.3	2.5	0.3	2110	5	7.5	0.3	1.9
2000H-265-1 Field Duplicate	379871.44	6116760.00	0.5	1	2.2	50	13.0	3.7	0.5	4	0.3	0.17	0.3	0.3	2.5	0.3	423	5	7.5	0.3	0.6
2000H-265-2 Field Duplicate	379871.44	6116760.00	0.5	1	2.0	58	13.0	4.4	0.5	5	0.3	0.24	0.3	0.3	2.5	0.3	558	5	7.5	0.3	0.9
2000H-281-1 Field Duplicate	375405.56	6111977.50	1.0	1	2.4	130	14.0	3.2	2.0	12	0.7	0.50	1.8	0.3	2.5	0.3	3450	5	7.5	0.3	2.0
2000H-281-2 Field Duplicate	375405.56	6111977.50	0.5	1	2.4	110	14.0	3.6	2.0	10	0.8	0.44	1.3	0.3	2.5	0.3	2350	25	7.5	0.3	1.8

Sample Site	UTM Easting	UTM Northing	Au ppb	Ag ppm	As ppm	Ba ppm	Br ppm	Ca %	Co ppm	Cr ppm	Cs ppm	Fe %	Hf ppm	Hg ppm	Ir ppb	Mo ppm	Na ppm	Ni ppm	Rb ppm	Sb ppm	Sc ppm
2000H-310-1 Field Duplicate	386862.44	6121457.50	0.5	1	1.7	210	18.0	6.1	3.0	16	0.7	0.67	2.1	0.3	2.5	0.3	3300	5	22.0	0.2	2.6
2000H-310-2 Field Duplicate	386862.44	6121457.50	0.5	1	1.8	190	20.0	6.1	3.0	14	0.7	0.69	1.7	0.3	2.5	0.3	2900	5	20.0	0.2	2.5
2000H-329-1 Field Duplicate	399739.69	6116073.00	0.5	1	1.7	80	21.0	5.0	1.0	6	0.3	0.29	0.9	0.3	2.5	0.3	1430	5	7.5	0.1	1.1
2000H-329-2 Field Duplicate	399739.69	6116073.00	0.5	1	1.5	82	23.0	4.9	1.0	2	0.3	0.15	0.3	0.3	2.5	0.3	478	5	7.5	0.2	0.5
2000H-345-1 Field Duplicate	373345.66	6119686.50	0.5	1	1.7	220	7.3	4.0	3.0	20	0.9	1.02	3.1	0.3	2.5	0.6	4870	5	22.0	0.3	3.3
2000H-345-2 Field Duplicate	373345.66	6119686.50	0.5	1	1.7	180	6.7	4.2	3.0	13	0.9	0.62	2.2	0.3	2.5	0.3	3060	5	7.5	0.3	2.4

Sample Site	Se ppm	Sr ppm	Ta ppm	Th ppm	U ppm	W ppm	Zn ppm	La ppm	Ce ppm	Nd ppm	Sm ppm	Eu ppm	Tb ppm	Yb ppm	Lu ppm	Tree ppm
2000H-16-1 Field Duplicate	1	50	0.3	0.3	0.1	0.5	35	0.6	1	1.5	0.1	0.1	0.1	0.1	0.1	3.5
2000H-16-2 Field Duplicate	1	50	0.3	0.3	0.1	0.5	10	1.6	3	1.5	0.2	0.1	0.1	0.1	0.1	6.7
2000H-35-1 Field Duplicate	1	50	0.3	3.3	0.8	0.5	10	13.0	27	9.0	1.6	0.4	0.3	0.9	0.2	52.4
2000H-35-2 Field Duplicate	1	50	0.3	2.1	0.7	0.5	10	10.0	19	7.0	1.2	0.3	0.1	0.5	0.1	38.2
2000H-53-1 Field Duplicate	1	50	0.3	2.1	0.8	0.5	10	11.0	17	7.0	1.1	0.3	0.1	0.5	0.1	37.1
2000H-53-2 Field Duplicate	1	50	0.3	2.0	0.9	0.5	10	9.9	16	6.0	1.1	0.3	0.1	0.5	0.1	34.0
2000H-69-1 Field Duplicate	1	50	0.3	2.6	0.4	0.5	10	17.0	28	11.0	1.8	0.3	0.2	0.5	0.1	58.9
2000H-69-2 Field Duplicate	1	50	0.3	2.2	0.3	0.5	10	14.0	28	8.0	1.5	0.3	0.1	0.5	0.1	52.5
2000H-76-1 Field Duplicate	1	50	0.3	3.1	2.1	0.5	10	12.0	18	6.0	1.2	0.2	0.1	0.5	0.1	38.1
2000H-76-2 Field Duplicate	1	50	0.3	4.0	3.1	0.5	10	19.0	24	8.0	1.7	0.3	0.1	0.6	0.1	53.8
2000H-102-1 Field Duplicate	1	50	0.3	2.5	1.4	0.5	10	11.0	24	9.0	1.4	0.4	0.2	0.7	0.1	46.8
2000H-102-2 Field Duplicate	1	50	0.3	1.5	0.8	0.5	10	5.4	10	5.0	0.7	0.1	0.1	0.4	0.1	21.8
2000H-130-1 Field Duplicate	1	50	0.3	0.7	1.1	0.5	31	1.8	4	1.5	0.3	0.1	0.1	0.1	0.1	8.0
2000H-130-2 Field Duplicate	1	50	0.3	0.6	1.1	0.5	28	1.8	4	1.5	0.3	0.1	0.1	0.1	0.1	8.0
2000H-137-1 Field Duplicate	1	50	0.3	2.1	4.2	0.5	24	7.4	12	4.0	0.8	0.1	0.1	0.3	0.1	24.8
2000H-137-2 Field Duplicate	1	50	0.3	1.6	3.2	0.5	21	4.1	7	1.5	0.5	0.1	0.1	0.2	0.1	13.6
2000H-149-1 Field Duplicate	1	50	0.3	2.2	0.7	0.5	50	9.0	35	5.0	1.1	0.2	0.3	0.4	0.1	51.1
2000H-149-2 Field Duplicate	1	50	0.3	3.0	0.6	0.5	50	14.0	46	8.0	1.4	0.4	0.1	0.7	0.1	70.7
2000H-171-1 Field Duplicate	1	50	0.3	3.0	1.3	0.5	10	12.0	25	9.0	1.4	0.4	0.2	0.7	0.1	48.8
2000H-171-2 Field Duplicate	1	50	0.3	1.4	0.7	0.5	10	5.8	10	4.0	0.7	0.1	0.1	0.4	0.1	21.2
2000H-179-1 Field Duplicate	1	50	0.3	4.4	2.5	0.5	10	22.0	31	13.0	2.5	0.6	0.3	1.0	0.1	70.5
2000H-179-2 Field Duplicate	1	50	0.3	1.7	3.7	0.5	22	7.6	12	5.0	0.9	0.2	0.1	0.4	0.1	26.3
2000H-218-1 Field Duplicate	1	210	0.3	3.5	4.3	0.5	10	13.0	25	7.0	1.3	0.3	0.3	0.6	0.1	47.6
2000H-218-2 Field Duplicate	1	50	0.3	2.9	4.3	0.5	10	12.0	24	6.0	1.2	0.3	0.2	0.5	0.1	44.3
2000H-231-1 Field Duplicate	1	120	0.3	3.2	2.4	0.5	24	12.0	22	9.0	1.7	0.4	0.2	0.7	0.1	46.1
2000H-231-2 Field Duplicate	1	120	0.3	2.6	5.3	0.5	10	9.3	18	7.0	1.2	0.3	0.2	0.5	0.1	36.6
2000H-250-1 Field Duplicate	1	50	0.3	2.7	0.6	0.5	39	9.0	16	7.0	1.3	0.3	0.1	0.7	0.1	34.5
2000H-250-2 Field Duplicate	1	50	0.3	2.3	1.2	0.5	21	9.9	15	7.0	1.4	0.3	0.1	0.6	0.1	34.4
2000H-265-1 Field Duplicate	1	50	0.3	0.6	0.2	0.5	38	1.8	3	1.5	0.3	0.1	0.1	0.1	0.1	7.0
2000H-265-2 Field Duplicate	1	50	0.3	1.1	0.3	0.5	10	3.4	5	1.5	0.5	0.1	0.1	0.2	0.1	10.9
2000H-281-1 Field Duplicate	1	50	0.3	2.2	0.6	0.5	10	7.0	13	5.0	1.0	0.2	0.1	0.5	0.1	26.9
2000H-281-2 Field Duplicate	1	50	0.3	2.0	0.7	0.5	10	6.7	13	4.0	0.9	0.1	0.1	0.4	0.1	25.3

Sample Site	Se ppm	Sr ppm	Ta ppm	Th ppm	U ppm	W ppm	Zn ppm	La ppm	Ce ppm	Nd ppm	Sm ppm	Eu ppm	Tb ppm	Yb ppm	Lu ppm	Tree ppm
2000H-310-1 Field Duplicate	1	50	0.3	2.8	4.0	0.5	26	10.0	21	11.0	1.4	0.3	0.1	0.6	0.1	44.5
2000H-310-2 Field Duplicate	1	50	0.3	2.7	4.5	0.5	33	10.0	22	11.0	1.3	0.3	0.1	0.6	0.1	45.4
2000H-329-1 Field Duplicate	1	50	0.3	1.2	1.5	0.5	10	4.7	10	5.0	0.6	0.1	0.1	0.3	0.1	20.9
2000H-329-2 Field Duplicate	1	50	0.3	0.5	1.9	0.5	10	1.7	3	4.0	0.3	0.1	0.1	0.1	0.1	9.4
2000H-345-1 Field Duplicate	1	50	0.3	4.4	0.7	0.5	27	13.0	21	9.0	1.5	0.4	0.1	0.8	0.1	45.9
2000H-345-2 Field Duplicate	1	50	0.3	2.9	0.5	0.5	21	10.0	17	7.0	1.2	0.3	0.3	0.6	0.1	36.5

INAA Percentile Bubble Plots.



Legend

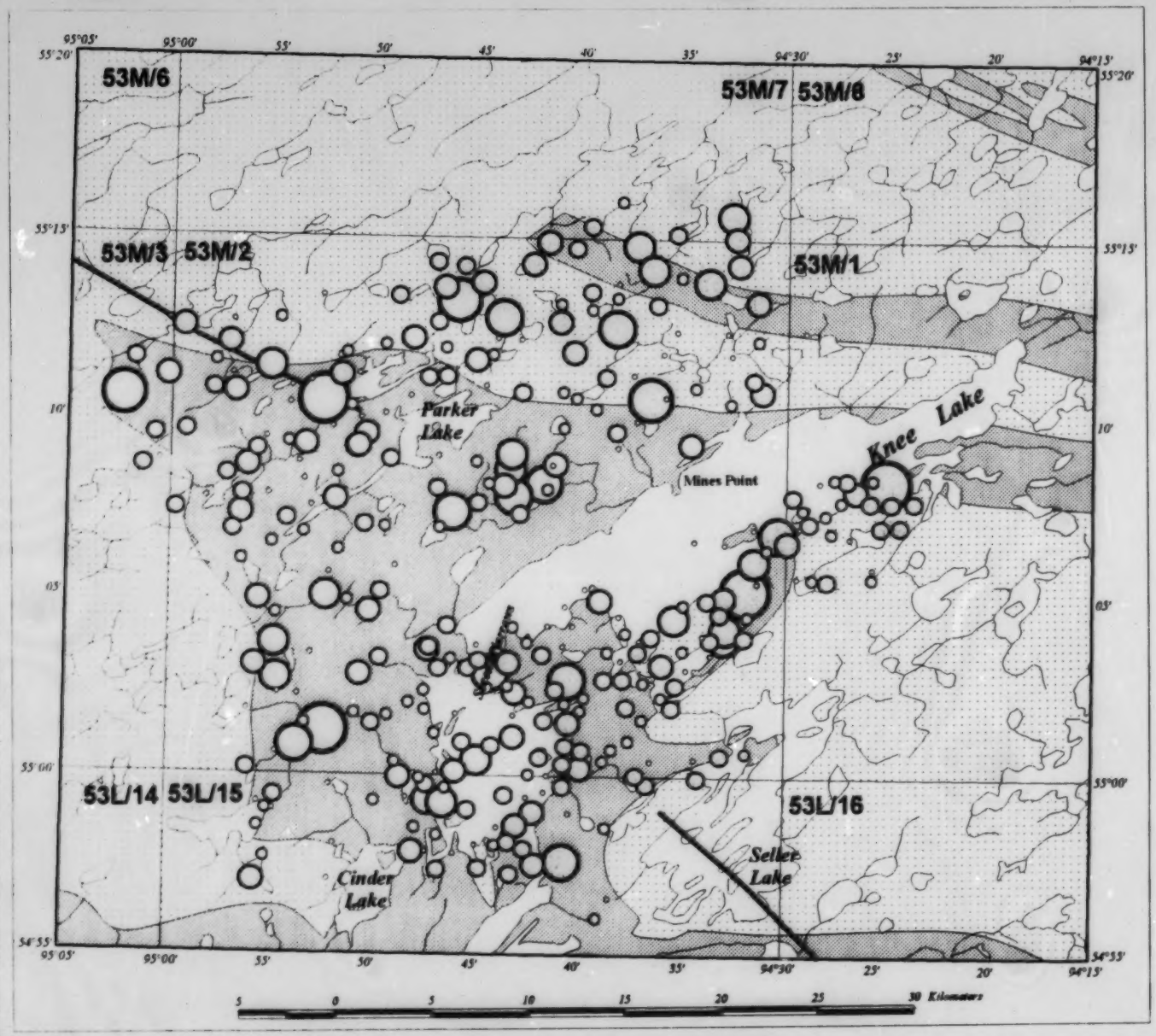
- Intrusive rocks
- Supracrustal rocks
- Dykes

As (ppm)

- >0.3<=1.2 (25%tile)
- >1.2<=1.7 (50%tile)
- >1.7<=2.0 (75%tile)
- >2.0<=2.6 (90%tile)
- >2.6<=2.9 (95%tile)
- >2.9<=3.4 (98%tile)
- >3.6<=3.7 (99%tile)
- >3.9<=13.0 (100%tile)

Humus (-80 mesh) 331 samples INAA

Appendix H-6-1



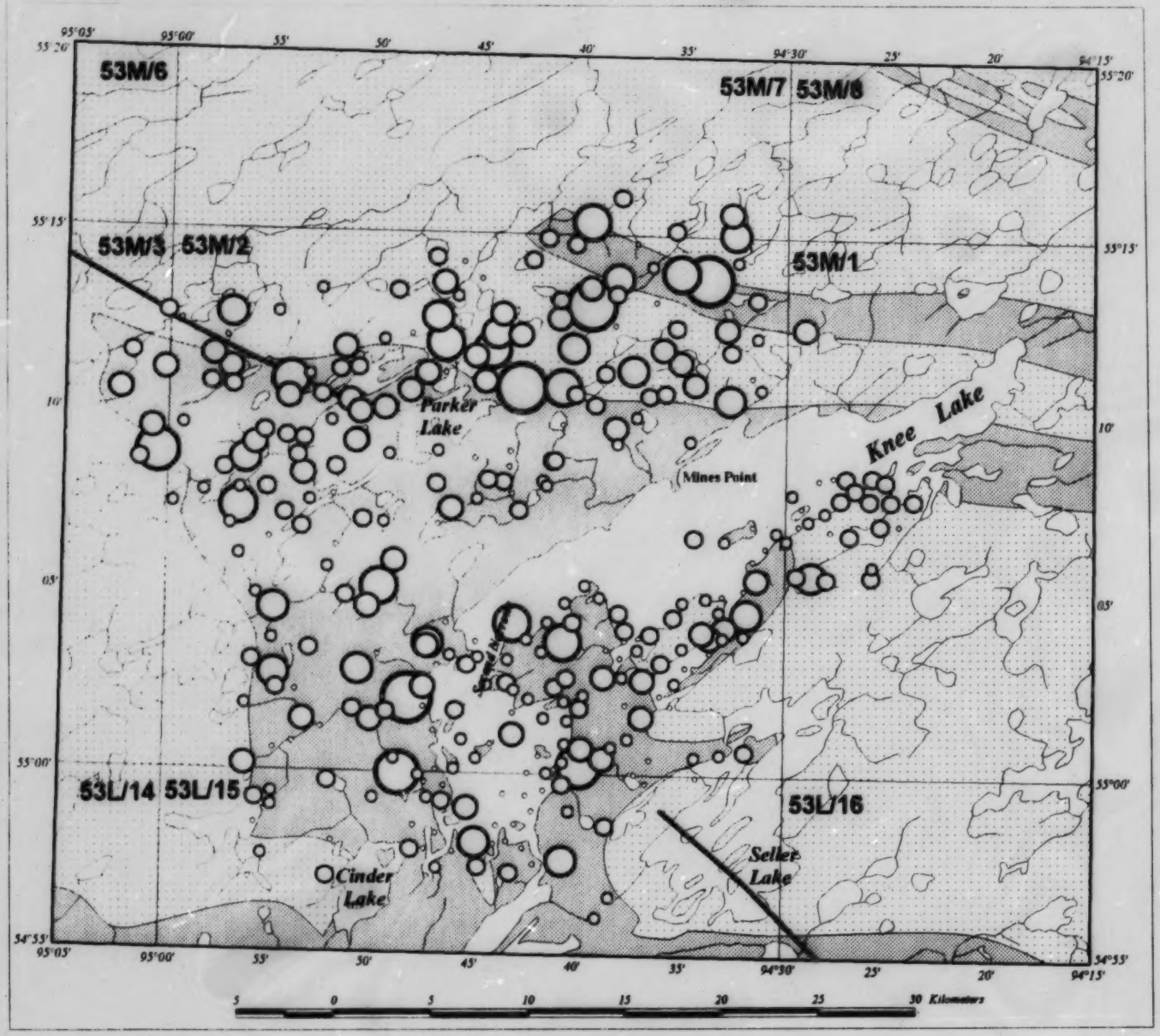
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Ba (ppm)

- >25<=63 (25%tile)
- >63<=102 (50%tile)
- >110<=150 (75%tile)
- >150<=210 (90%tile)
- >210<=240 (95%tile)
- >250<=270 (98%tile)
- >280<=290 (99%tile)
- >300<=380 (100%tile)

Humus (-80 mesh) 331 samples INAA



Legend

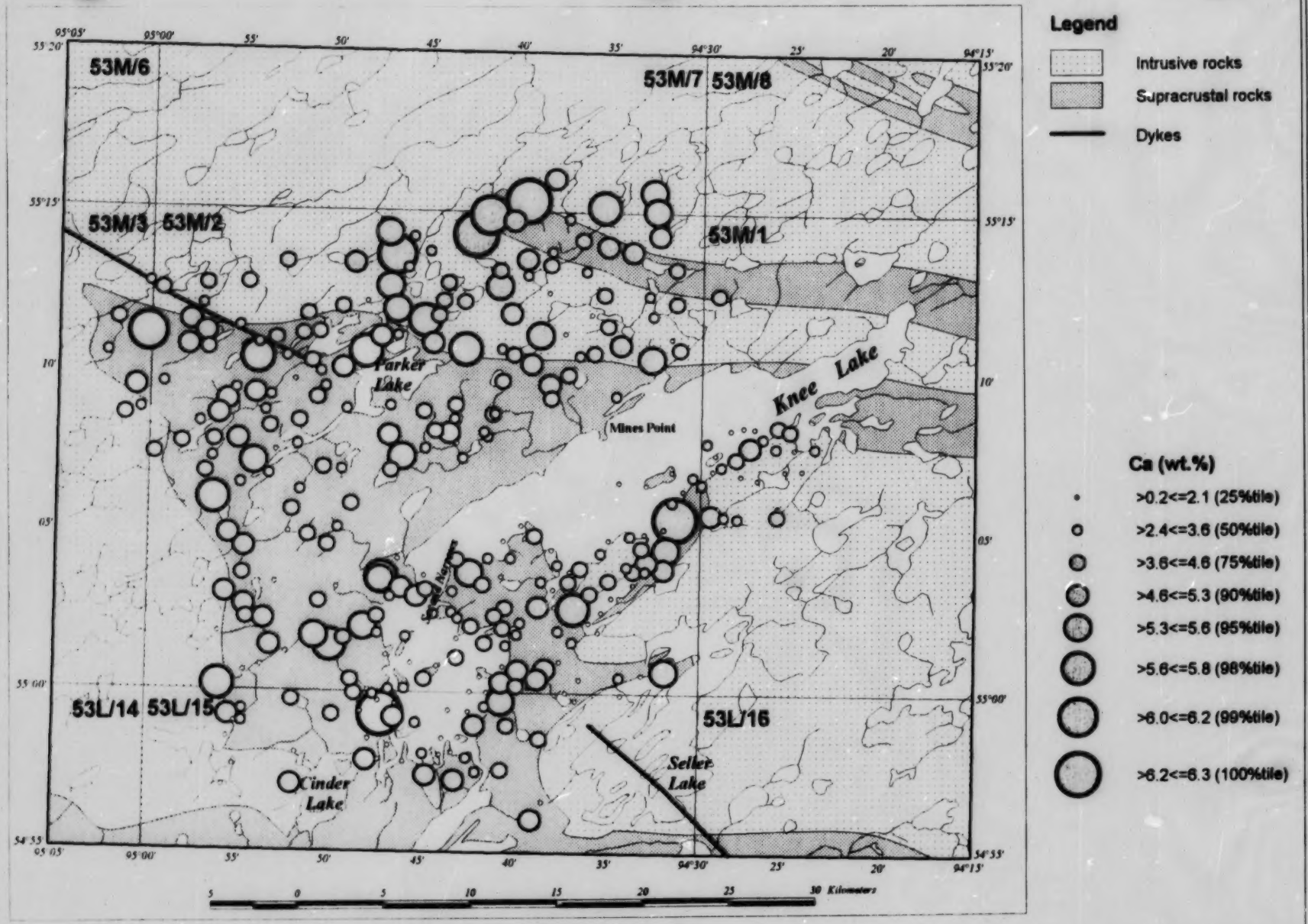
- Intrusive rocks
- Supracrustal rocks
- Dykes

Br (ppm)

- >2.7<=10.0 (25%tile)
- >10.3<=14.0 (50%tile)
- >14.0<=19.0 (75%tile)
- >19.0<=23.0 (90%tile)
- >24.0<=31.0 (95%tile)
- >32.0<=47.0 (98%tile)
- >48.0<=60.0 (99%tile)
- >63.0<=340.0 (100%tile)

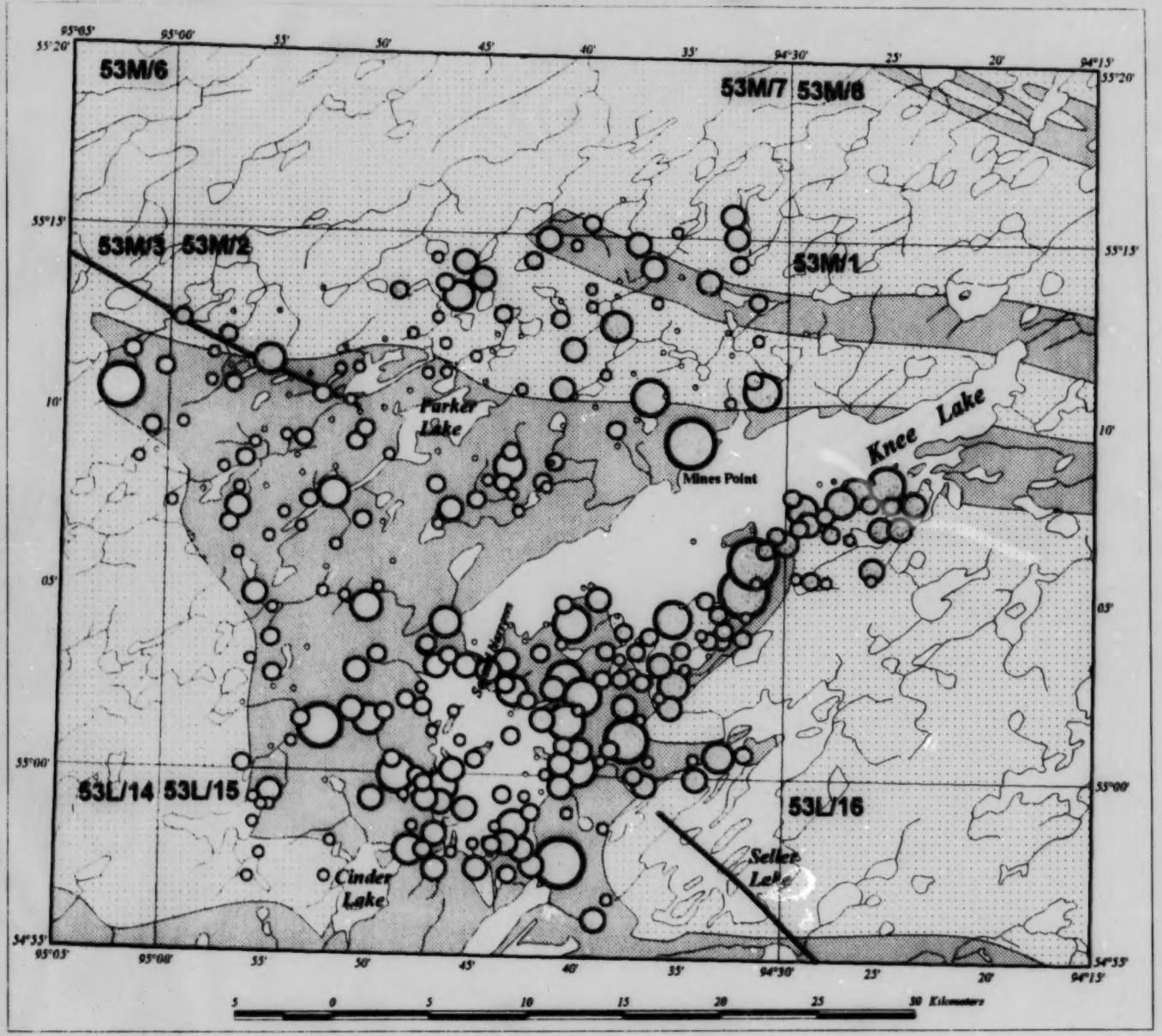
Humus (-80 mesh) 331 samples INAA

Appendix H-6-3



Humus (-80 mesh) 331 samples INAA

Appendix H-6-4



Legend

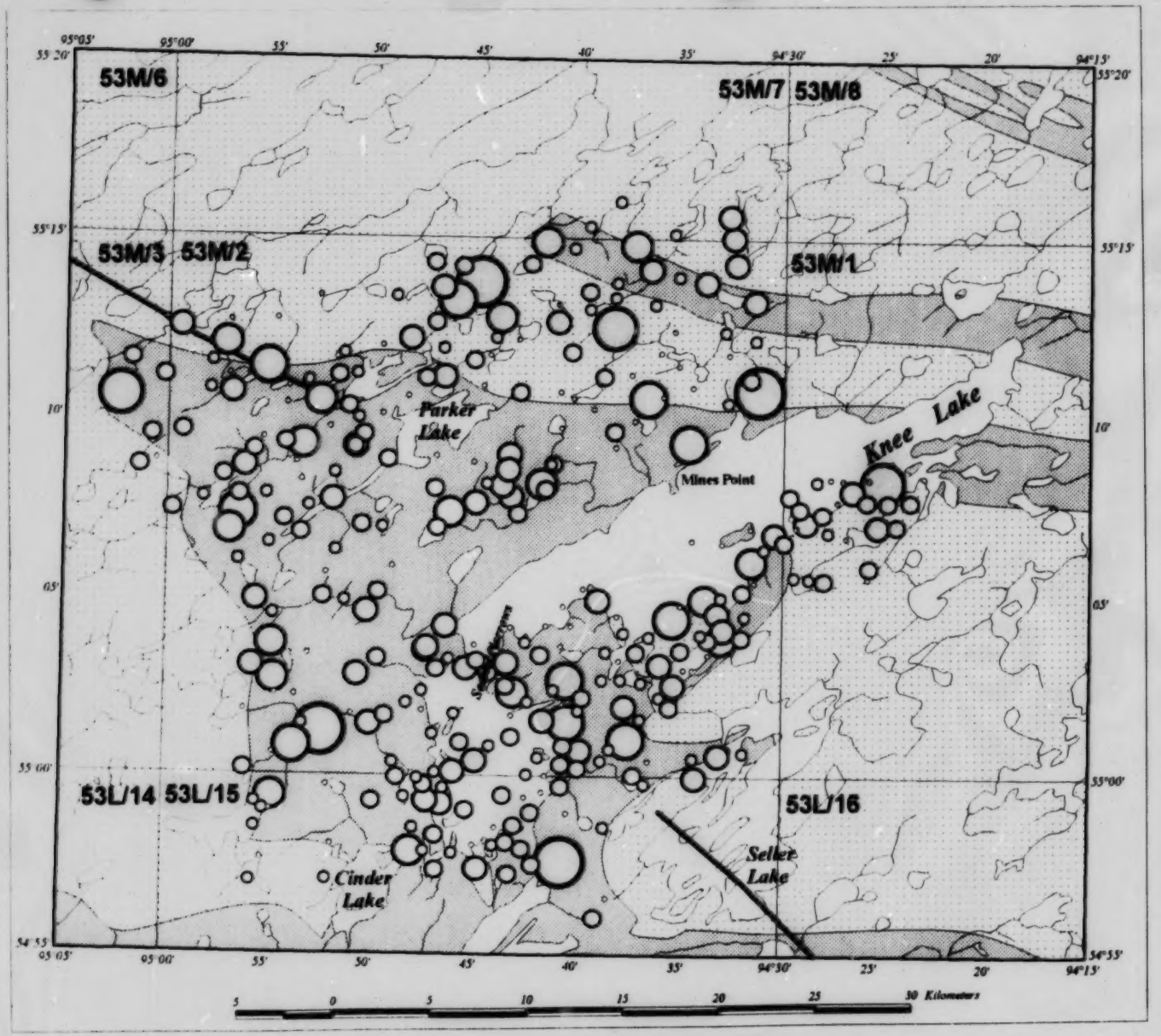
- Intrusive rocks
- Supracrustal rocks
- Dykes

Co (ppm)

- >1<=1 (25%tile)
- >1<=2 (50%tile)
- >2<=3 (75%tile)
- >3<=4 (90%tile)
- >4<=5 (95%tile)
- >5<=8 (98%tile)
- >8<=9 (99%tile)
- >9<=58 (100%tile)

Humus (-80 mesh) 331 samples INAA

Appendix H-6-5



Legend

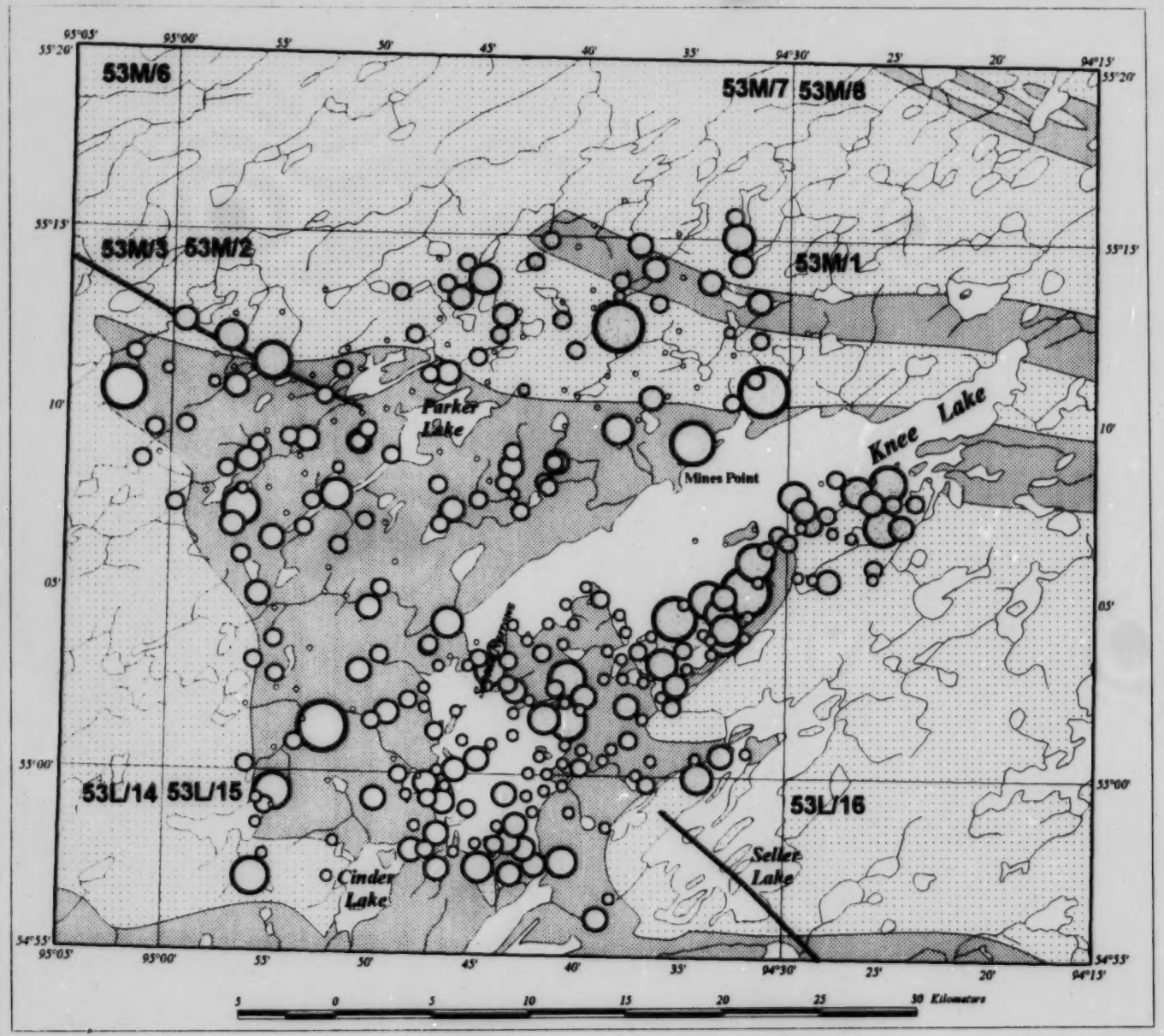
- Intrusive rocks
- Supracrustal rocks
- Dykes

Cr (ppm)

- >1<=4 (25%tile)
- >4<=9 (50%tile)
- >9<=14 (75%tile)
- >14<=18 (90%tile)
- >19<=24 (95%tile)
- >24<=30 (98%tile)
- >30<=34 (99%tile)
- >38<=44 (100%tile)

Humus (-80 mesh) 331 samples INAA

Appendix H-6-6



Legend

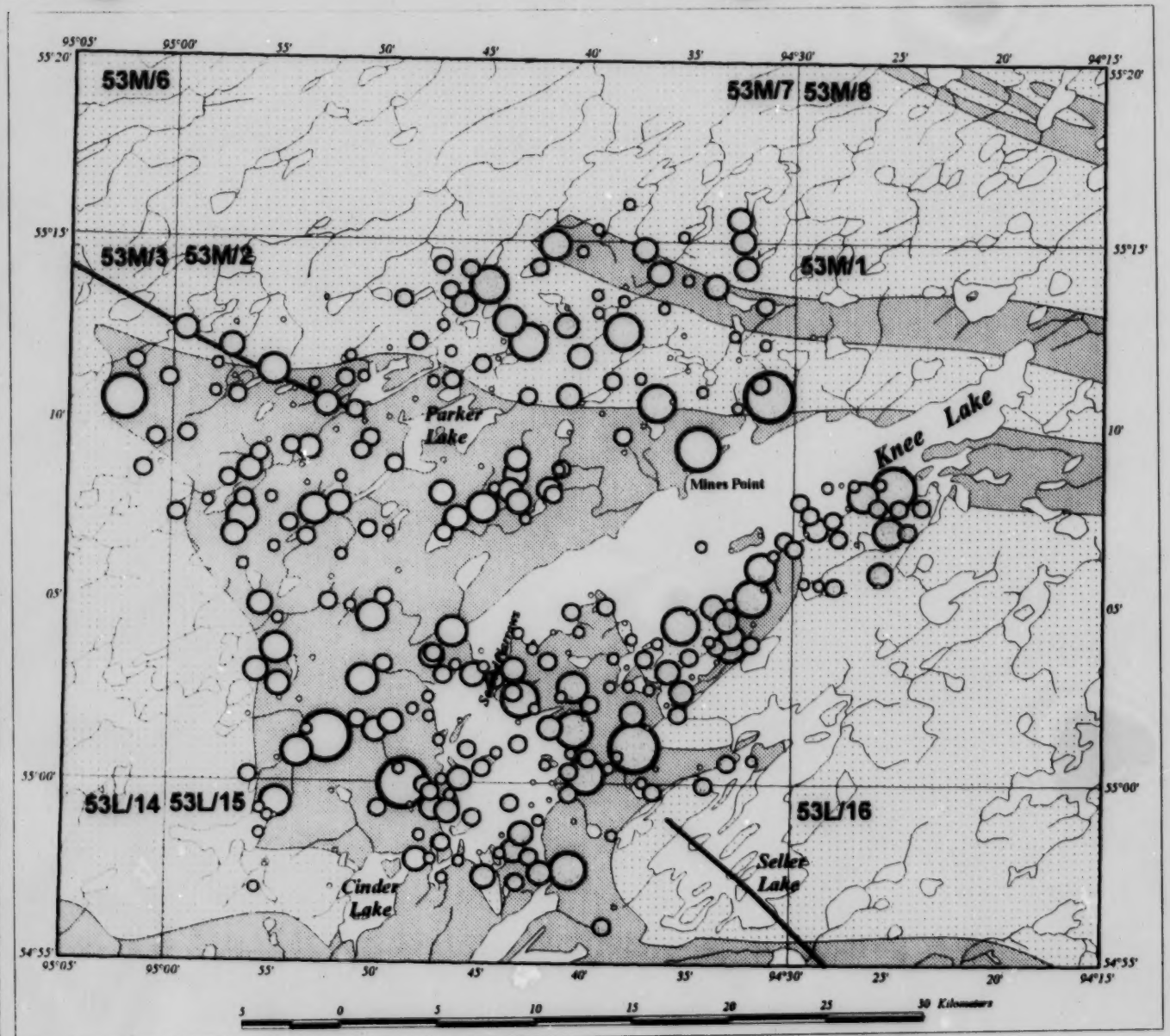
- Intrusive rocks
- Supracrustal rocks
- Dykes

Cs (ppm)

- >0.3<=0.3 (25%tile)
- >0.3<=0.5 (50%tile)
- >0.6<=0.8 (75%tile)
- >0.8<=1.1 (90%tile)
- >1.1<=1.3 (95%tile)
- >1.4<=1.8 (98%tile)
- >2.0<=2.1 (99%tile)
- >2.2<=3.5 (100%tile)

Humus (-80 mesh) 331 samples INAA

Appendix H-6-7



Legend

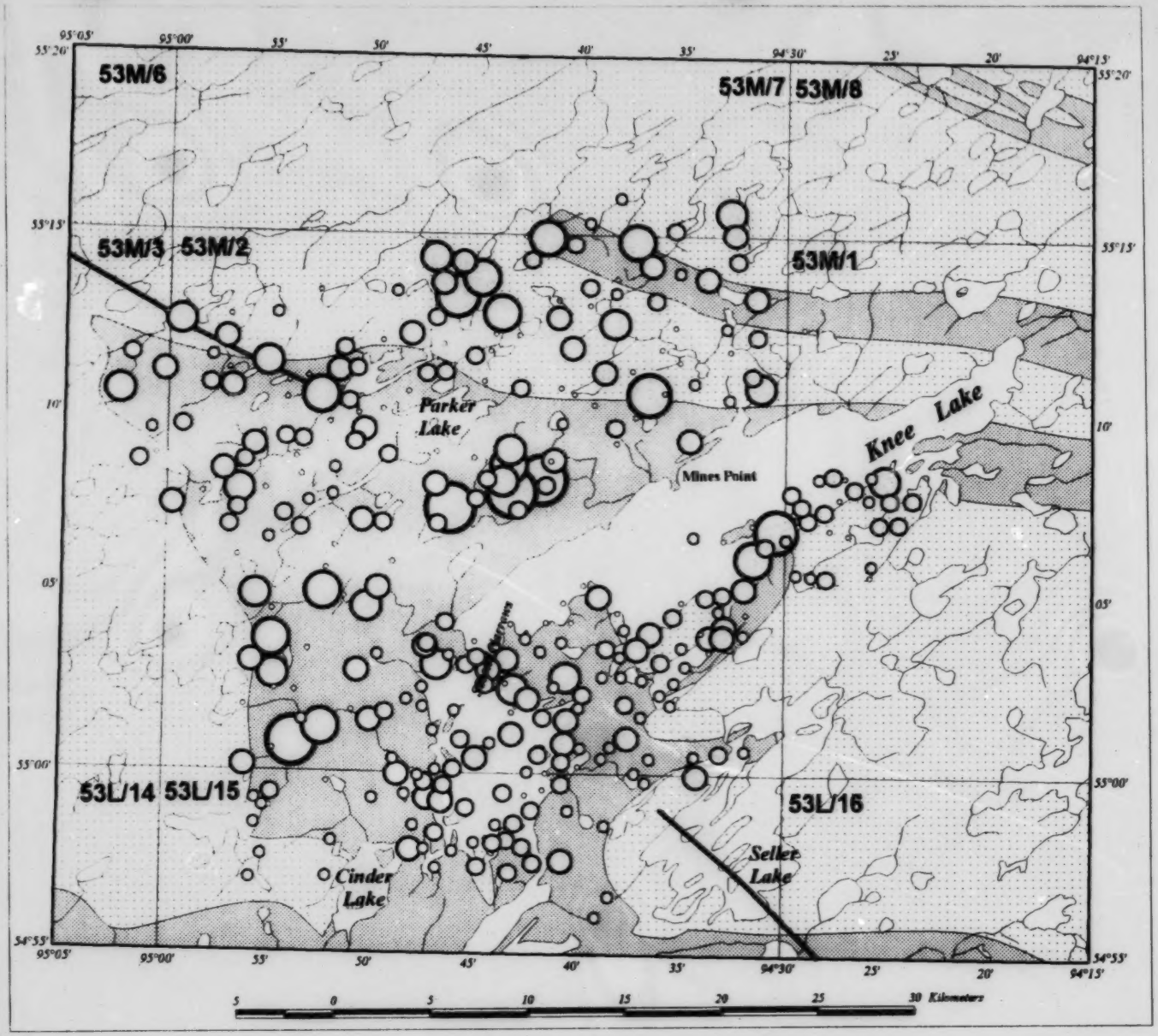
- Intrusive rocks
- Supracrustal rocks
- Dykes

Fe (wt.%)

- >0.07<=0.20 (25%tile)
- >0.21<=0.42 (50%tile)
- >0.43<=0.68 (75%tile)
- >0.69<=0.93 (90%tile)
- >0.94<=1.12 (95%tile)
- >1.13<=1.58 (98%tile)
- >1.61<=1.84 (99%tile)
- >1.85<=3.60 (100%tile)

Humus (-80 mesh) 331 samples INAA

Appendix H-6-8



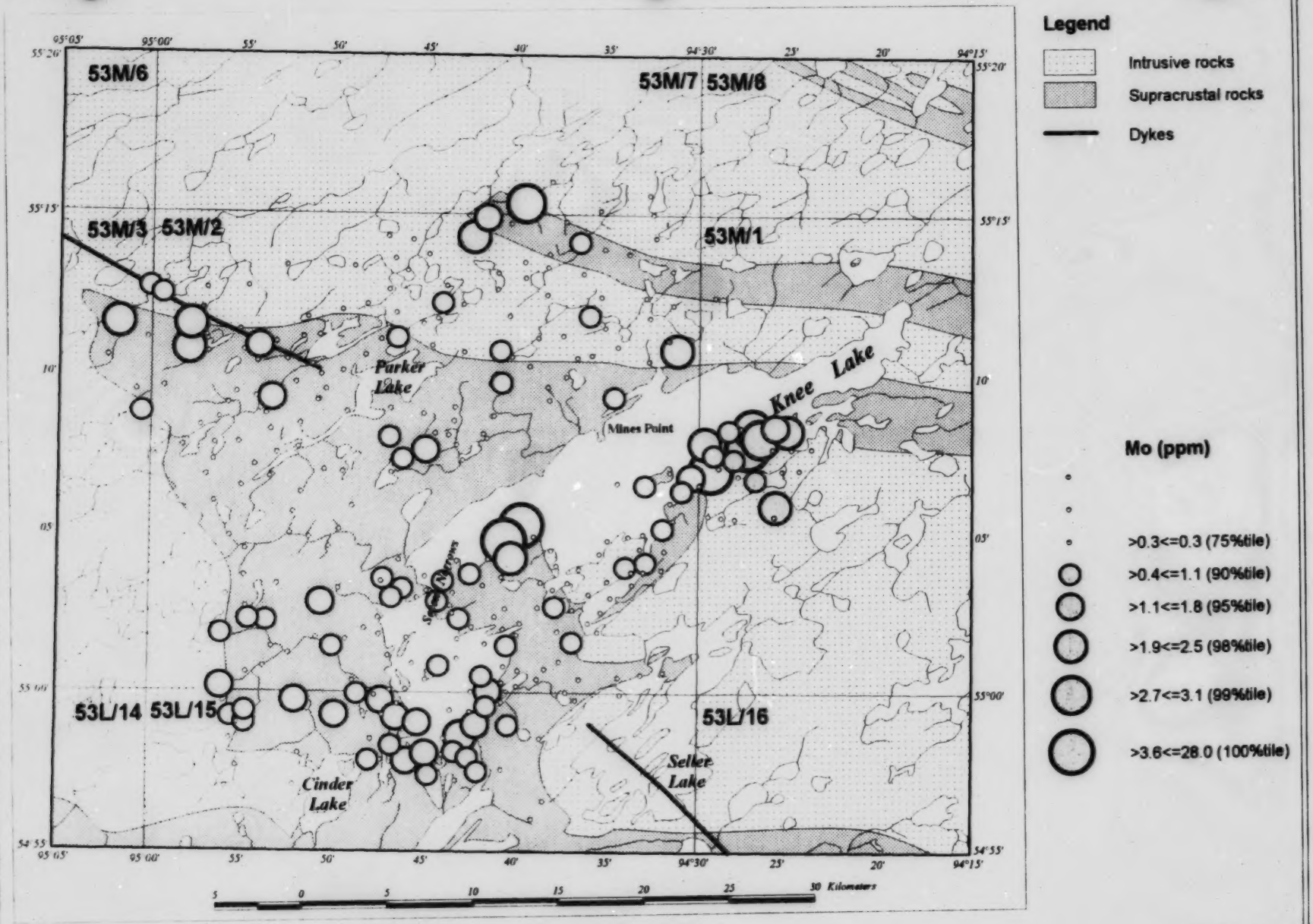
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

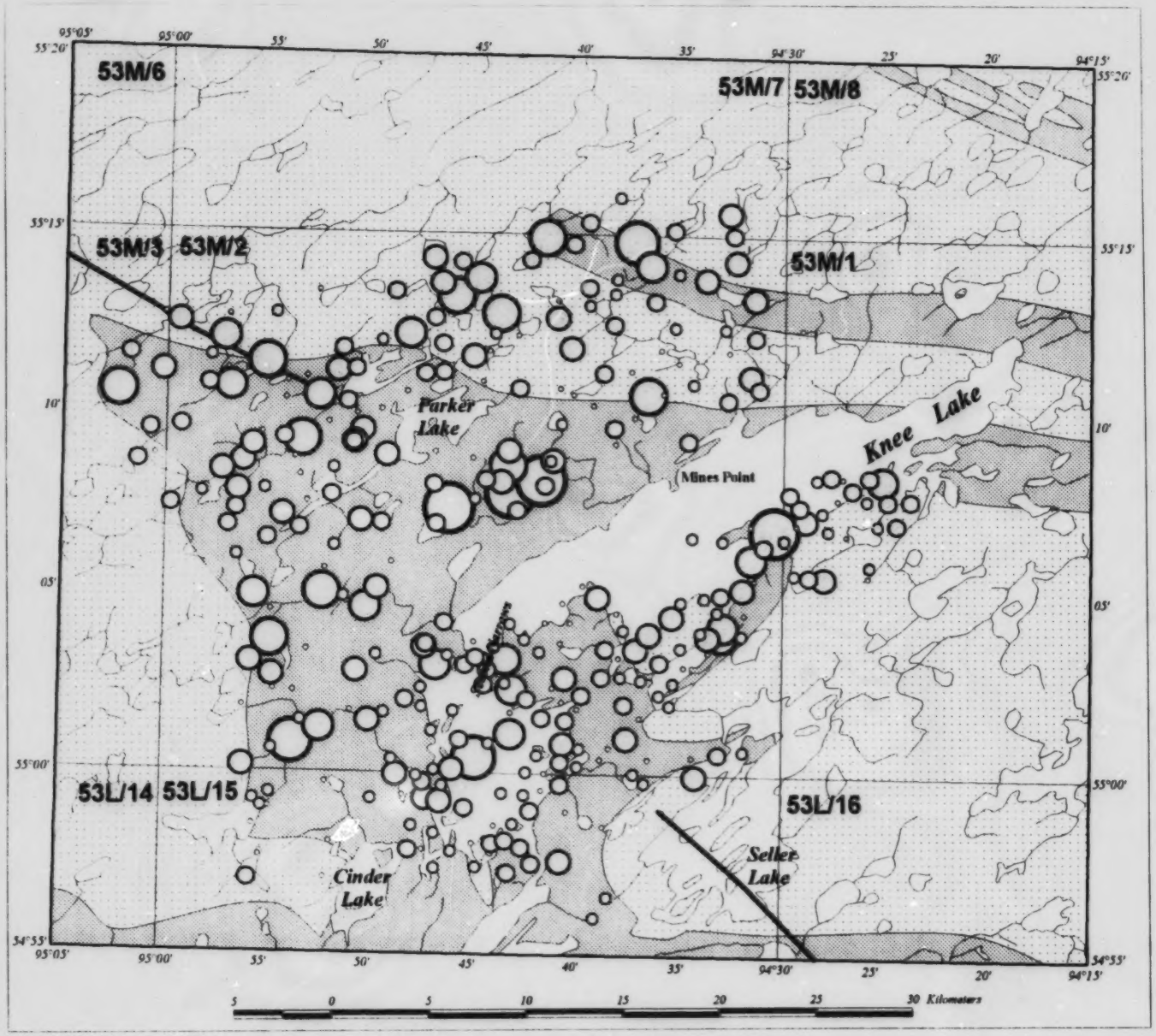
Hf (ppm)

- >0.3<=0.3 (25%tile)
- >0.3<=0.8 (50%tile)
- >0.8<=1.5 (75%tile)
- >1.5<=2.2 (90%tile)
- >2.3<=2.9 (95%tile)
- >2.9<=3.9 (98%tile)
- >4.0<=4.2 (99%tile)
- >4.4<=6.1 (100%tile)

Humus (-80 mesh) 331 samples INAA



Humus (-80 mesh) 331 samples INAA



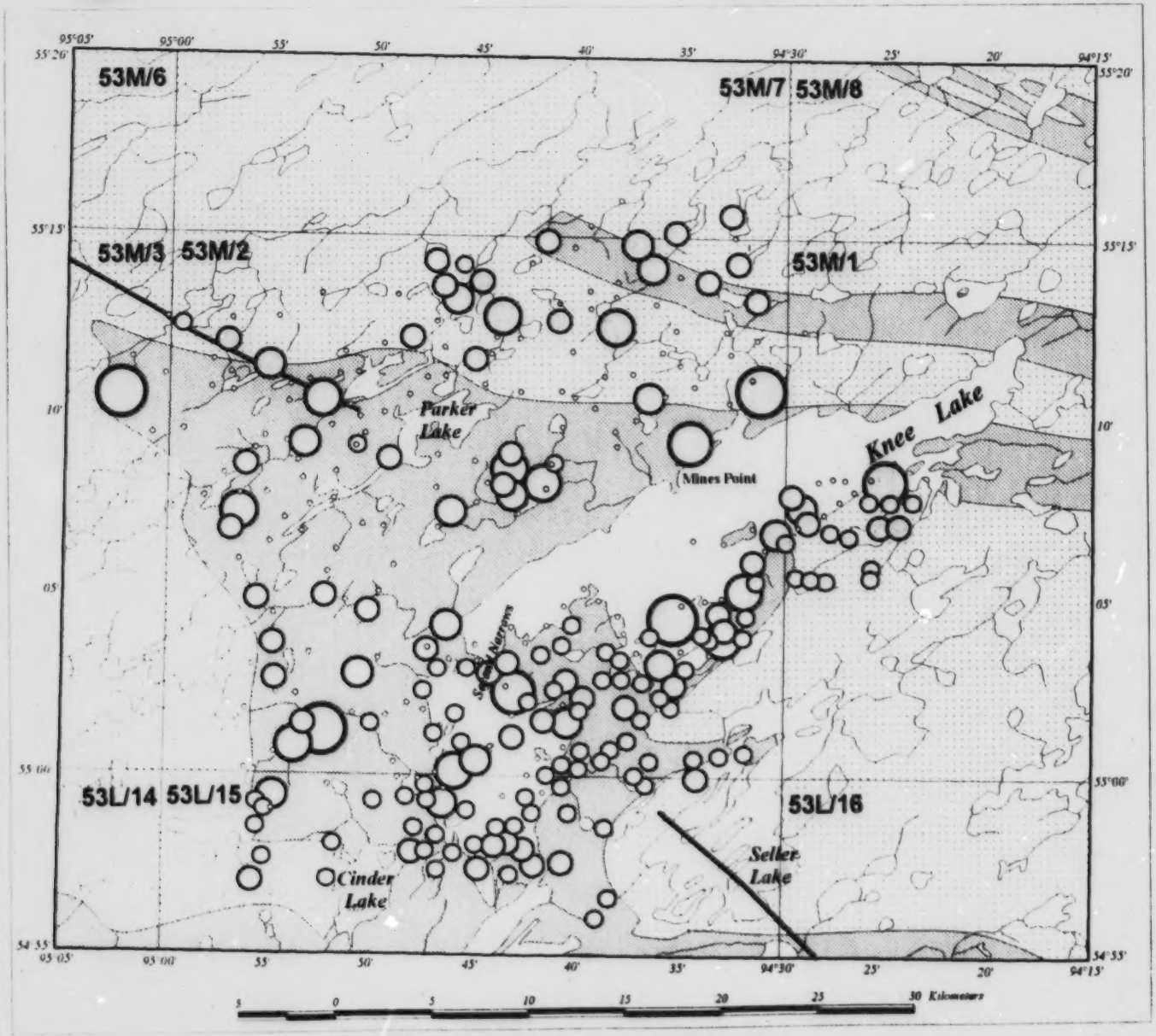
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Na (ppm)

- >154<=575 (25%tile)
- >580<=1270 (50%tile)
- >1274<=2760 (75%tile)
- >2810<=4360 (90%tile)
- >4370<=5280 (95%tile)
- >5480<=6470 (96%tile)
- >6580<=7050 (99%tile)
- >7140<=8500 (100%tile)

Humus (-80 mesh) 331 samples INAA



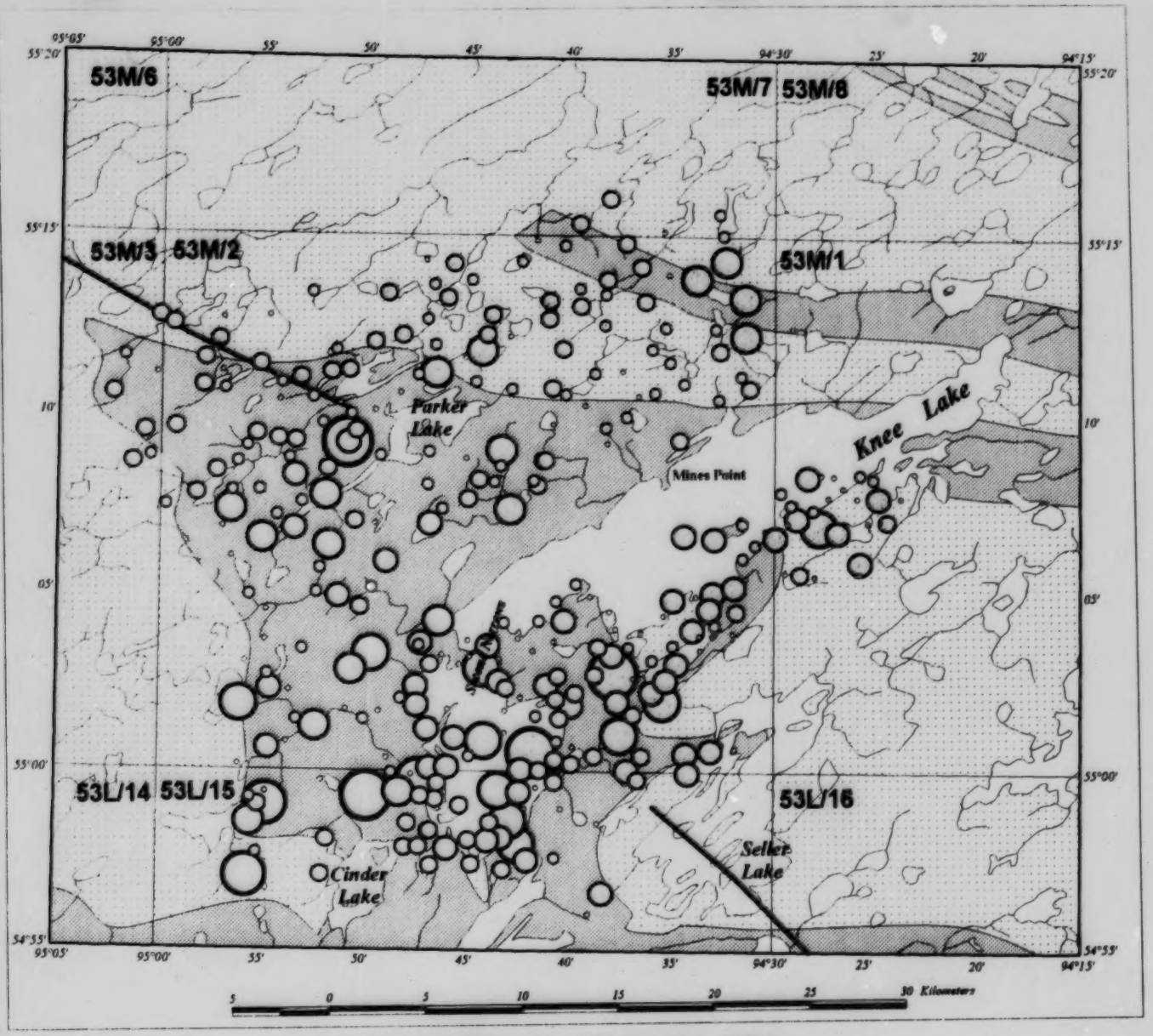
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Rb (ppm)

- >8<=8 (50%tile)
- >8<=17 (75%tile)
- >19<=28 (90%tile)
- >27<=33 (95%tile)
- >33<=40 (98%tile)
- >41<=45 (99%tile)
- >46<=60 (100%tile)

Humus (-80 mesh) 331 samples INAA



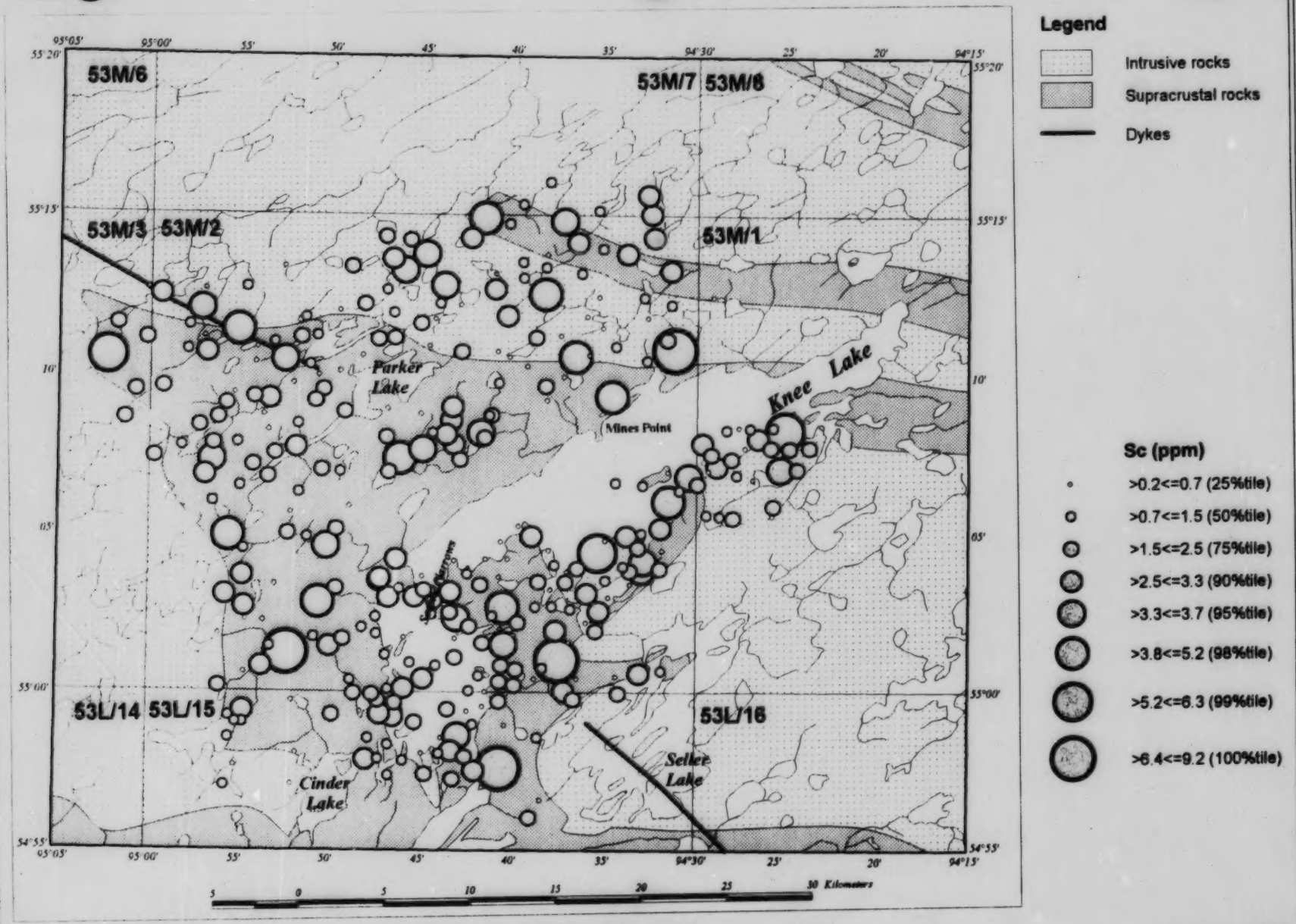
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

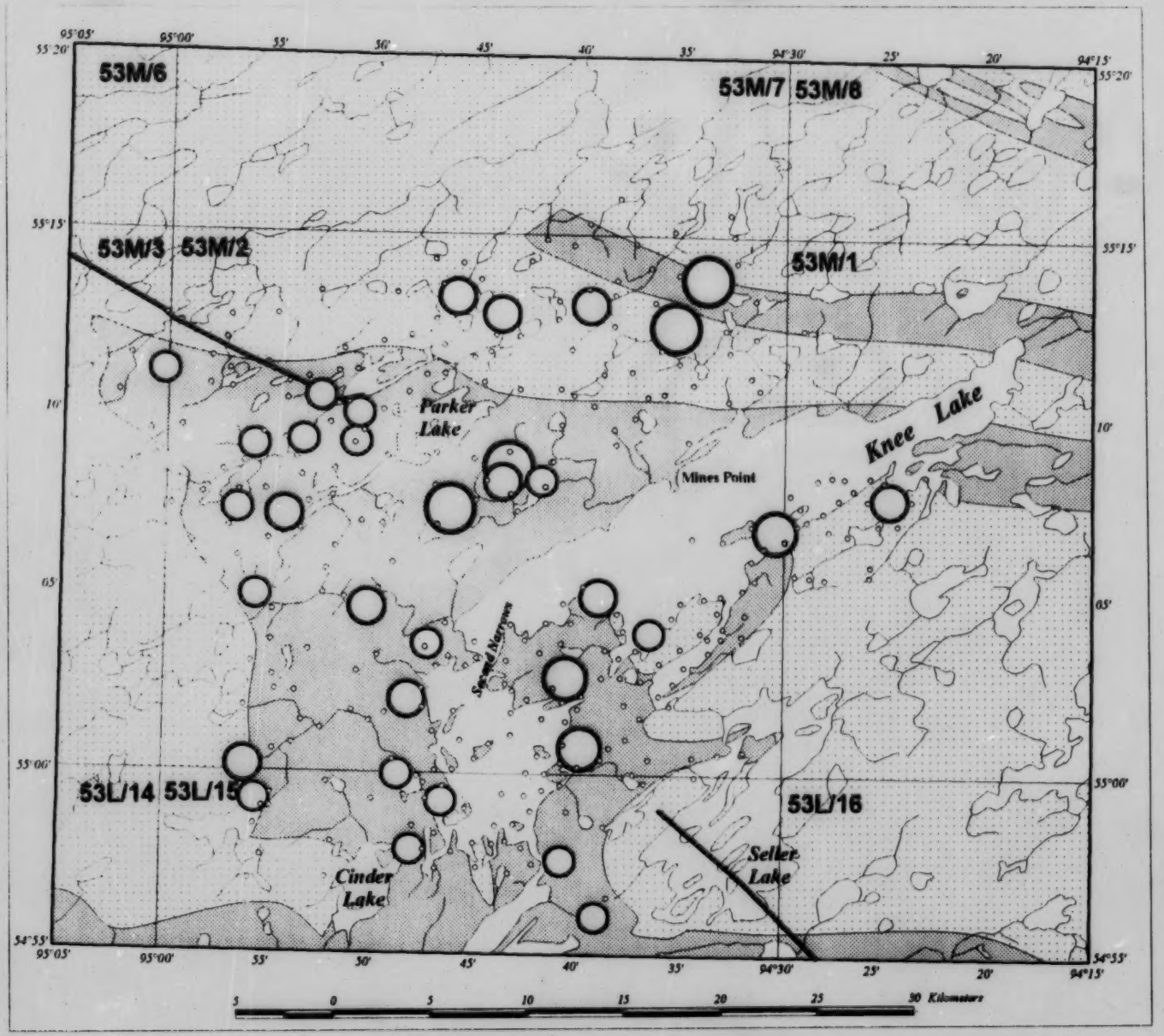
Sb (ppm)

- >0.1<=0.1 (25%tile)
- >0.1<=0.2 (50%tile)
- >0.2<=0.3 (75%tile)
- >0.3<=0.3 (90%tile)
- >0.3<=0.4 (95%tile)
- >0.4<=0.4 (98%tile)
- >0.4<=0.5 (99%tile)
- >0.5<=0.5 (100%tile)

Humus (-80 mesh) 331 samples INAA



Humus (-80 mesh) 331 samples INAA



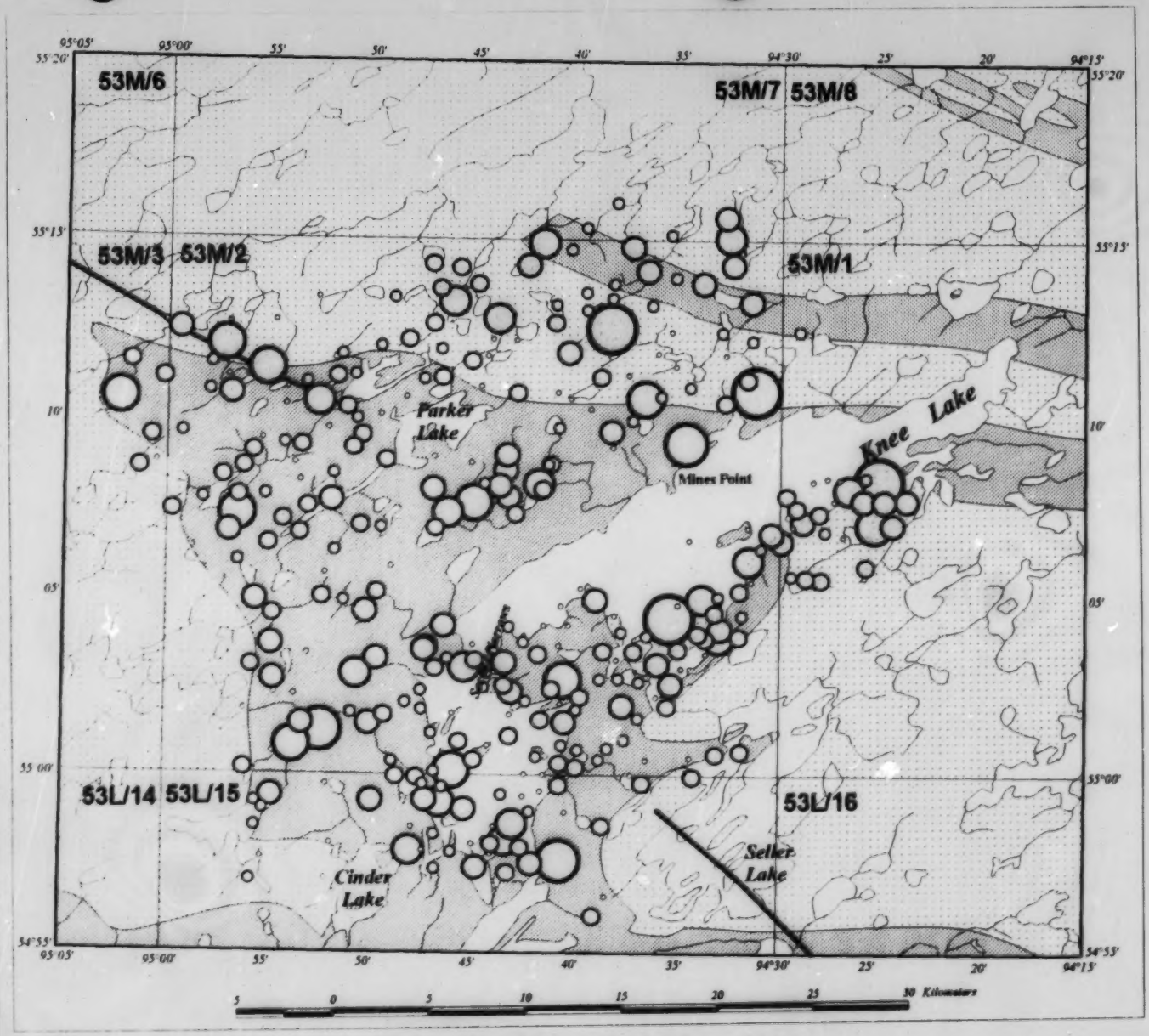
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Sr (ppm)

- >50<=50 (90%tile)
- >50<=120 (95%tile)
- >130<=150 (98%tile)
- >150<=170 (99%tile)
- >180<=210 (100%tile)

Humus (-80 mesh) 331 samples INAA



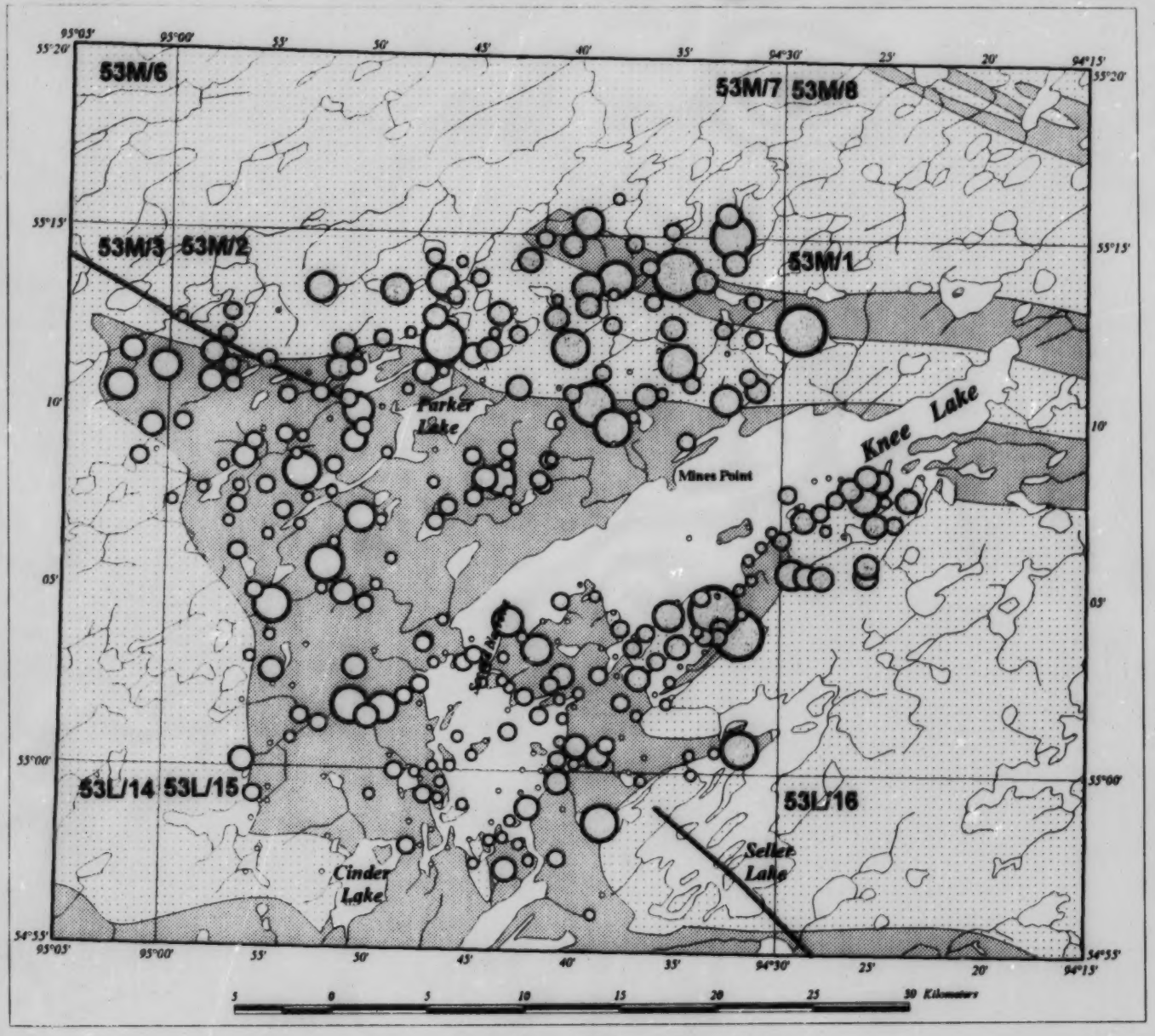
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Th (ppm)

- >0.3<=0.7 (25%tile)
- >0.7<=1.8 (50%tile)
- >1.8<=2.9 (75%tile)
- >2.9<=3.8 (90%tile)
- >3.8<=4.4 (95%tile)
- >4.5<=5.8 (98%tile)
- >6.8<=7.4 (99%tile)
- >7.6<=8.8 (100%tile)

Humus (-80 mesh) 331 samples INAA



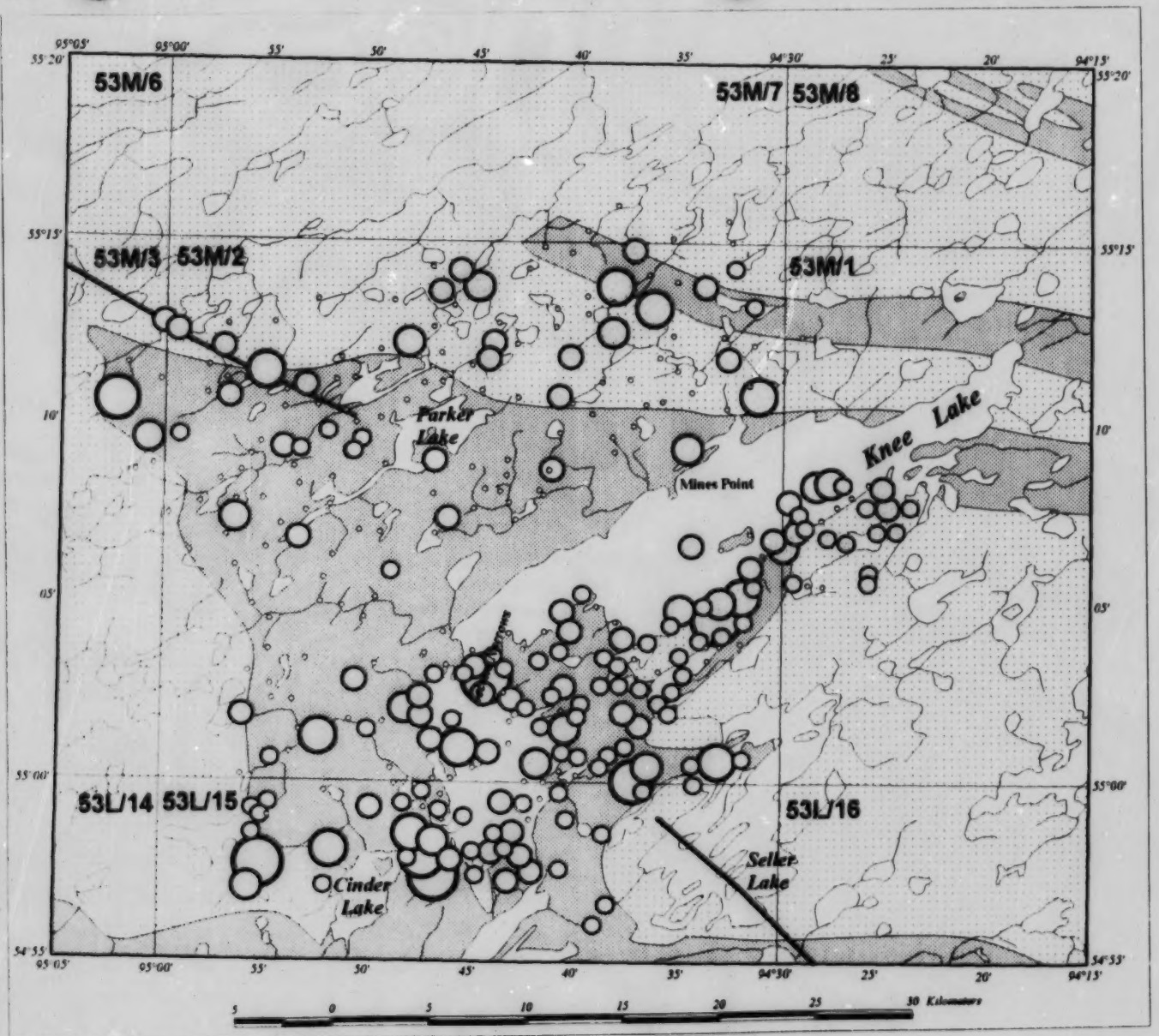
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

U (ppm)

- >0.1<=0.4 (25%tile)
- >0.4<=1.0 (50%tile)
- >1.0<=2.2 (75%tile)
- >2.2<=4.2 (90%tile)
- >4.3<=5.6 (95%tile)
- >5.8<=9.8 (98%tile)
- >11.0<=13.0 (99%tile)
- >14.0<=18.0 (100%tile)

Humus (-80 mesh) 331 samples INAA



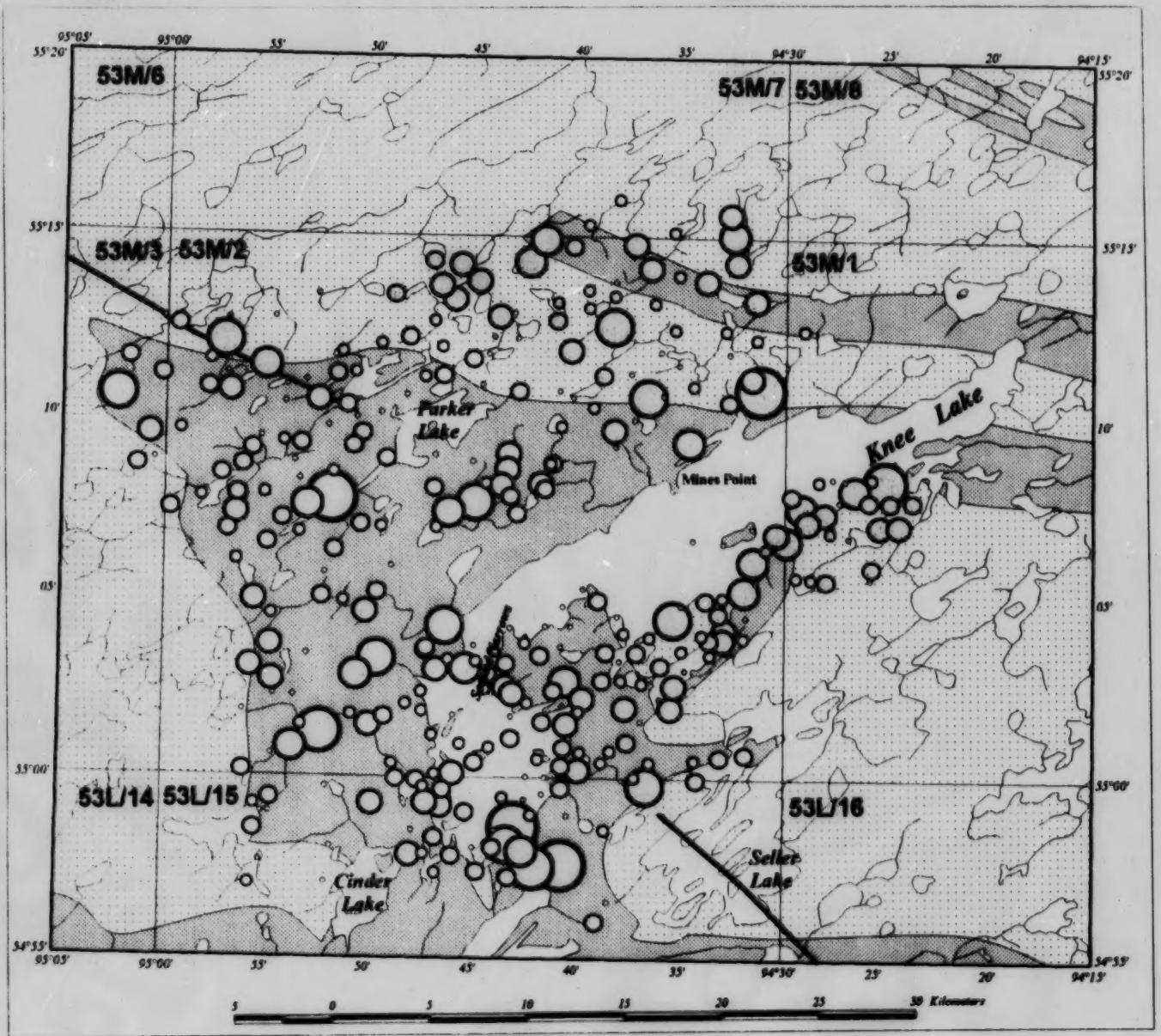
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Zn (ppm)

- >10<=10 (50%tile)
- >10<=23 (75%tile)
- >24<=33 (90%tile)
- >35<=47 (95%tile)
- >49<=65 (98%tile)
- >68<=69 (99%tile)
- >76<=110 (100%tile)

Humus (-80 mesh) 331 samples INAA



Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Total REE (ppm)

- >4.7<=9.9 (25%tile)
- >10.0<=24.8 (50%tile)
- >25.1<=41.5 (75%tile)
- >42.1<=60.2 (90%tile)
- >60.2<=81.9 (95%tile)
- >84.7<=105.7 (98%tile)
- >114.5<=125.3 (99%tile)
- >134.4<=183.8 (100%tile)

Humus (-80 mesh) 331 samples INAA

VEGETATION GEOCHEMICAL SURVEY

Introduction

Unlike the 1996 survey, only black spruce (*Picea mariana*) crown twigs were sampled and analyzed in the 2000 survey. This modification to the sampling plan was instituted due to higher contrast geochemical response for most elements in the crown twigs. Data interpretation proceeds in an element-by-element format; results for INAA and ICP-AES are discussed separately. A select number of samples were analyzed by ICP-MS, primarily to examine Pd contents in the vegetation tissues. These data are discussed in a separate section.

It should be noted that, unlike rocks, soils, lake sediments and other types of geochemical sample media, trees and other plants have certain nutrient requirements in order to survive. This effectively divides elements into essential and nonessential categories. For these reasons, the essential element Zn, which is necessary for plant metabolism, must be interpreted with caution since subtle variations in the Zn concentrations of vegetation samples from site to site may only reflect the general state of the health of the tree. Major differences may indicate the presence of Zn or a Zn-enriched substrate. Tables 1 and 2 summarize essential and nonessential elements and their role in plant function.

Sample collection

Samples of twigs from the crowns of black spruce (*Picea mariana*) were collected from each sampling site. Sampling was undertaken over an 8-week period between June and August 2000. At most sites, the vegetation samples were collected from within 20 m of the till-sampling pit. Black spruce was selected as the sampling medium on the basis of its ubiquitous presence throughout the survey area and its usefulness in delineating metal-enriched substrates in other vegetation geochemical surveys (Fedikow and Dunn, 1996). Black spruce crown twigs were obtained by cutting down the tree and collecting the upper 45 cm of the tree using anvil-type pruning shears. These samples were stored in labelled, brown paper bags and allowed to dry before preparation.

Sample preparation and analysis

Subsequent to drying, the needles and cones were removed from the crown twigs and stored separately for future study. For twig samples, approximately 50 g of material were weighed into aluminum trays and the trays placed into a pottery kiln. The kiln temperature was raised incrementally over a 2–3 hour time period to a maximum of 470°C. This temperature was maintained for 12 hours, at which time the vegetation had been reduced to about 1 g of ash without charcoal. One half of this ash was accurately weighed into polyethylene vials and submitted for instrumental neutron activation analysis. The second split of the ash was submitted for ICP-AES analysis subsequent to an aqua-regia dissolution. A separate split of ash was analyzed by ICP-MS. Vegetation ashes were analyzed at Activation Laboratories Ltd. (Ancaster, Ontario). The

aqua-regia dissolution is a total digestion for most metals but is only partial for some elements (such as Ni and Zn). The element distribution patterns for elements that are only partially taken into solution by the aqua-regia digestion are considered to be valid, since analytical precision for most elements is acceptable. Geochemical data are presented in Appendices V-1 (ICP-AES) and V-4 (INAA); duplicate pair geochemical data are given in Appendices V-2 (ICP-AES) and V-5 (INAA). Percentile bubble plots are presented in Appendices V-3 (ICP-AES) and V-6 (INAA). Data from the ICP-MS analyses are provided in Appendix V-7 and bubble plots are given in Appendix V-8.

Results

Ash

Ash contents in black spruce crown twigs are relatively consistent across the 2000 survey area. The exception occurs at sites clustered around the northeast corner of northern Knee Lake (>2% ash) as well as a couple of 100th percentile responses (2.32–2.45%) in the vicinity of the Second Narrows and southeast from the Narrows toward Sellers Lake. An east-trending pattern of elevated ash contents occurs at sites 260, 321, 323 and 326 over tonalite north and west of Mines Point.

Table 1. Essential and nonessential elements determined by INAA.

Element	Essential/Nonessential; Comments
Au	Nonessential
Ag	Nonessential
As	Essential; metabolism of carbohydrates
Ba	Nonessential
Br	Nonessential
Ca	Essential; cell wall construction
Co	Essential; major nutrient fixation
Cr	Nonessential
Cs	Nonessential
Fe	Essential; photosynthesis, chlorophyll
Hf	Nonessential

K	Essential; metabolism
Mo	Essential
Na	Nonessential
Rb	Essential
Sb	Nonessential
Sc	Nonessential
Se	Essential
Sn	Nonessential
Sr	Essential
Ta	Nonessential
Th	Nonessential
U	Nonessential
W	Nonessential
Zn	Essential; carbohydrate and protein
REE	Nonessential

Table 2. Essential and nonessential elements determined by ICP-AES.

Element	Essential/Nonessential; Comments
Al	Nonessential
B	Essential; plant growth, sugar translocation
Be	Nonessential
Cd	Nonessential
Cu	Essential; respiration, photosynthesis
Li	Essential; metabolism
Mg	Essential; photosynthesis, enzyme reaction
Mn	Essential
Ni	Nonessential
P	Essential; energy metabolism
Pb	Essential in small amounts; cell walls (?)

Ti	Essential; photosynthesis
V	Nonessential

Instrumental neutron activation analysis (INAA)

Au: Three 100th percentiles (38–127 ppb) are documented in the survey area. These occur at the Second Narrows (site 125), southeast of the Second Narrows at site 102 and at site 214 northwest of the Narrows. These anomalies are aligned with mafic dykes that were mapped in outcrop from the southern portion of Seller Lake. A 99th percentile of 29–37 ppb occurs on the northwest shore of Parker Lake at site 293.

As: Significant As concentrations are scattered throughout the survey area however some correspondence with Au anomalies is noted. This correspondence occurs in the area southeast of the Second Narrows where a 100th percentile response of 4.2–4.4 ppm (site 115) is clustered with two 98th percentiles (2.9–3.5 ppm) at sites 100 and 118. Elsewhere 100th percentiles are documented from site 73 on the southeast shore of northern Knee Lake and from site 242 northwest of Parker Lake. A single 100th percentile occurs at site 207 northwest of the Narrows.

Ba: The northeast corner of the 2000 survey area is marked by a 100th percentile response (2200–3500 ppm) at site 155 and is clustered with 99th and 98th percentile responses. This area has been identified as anomalous on the basis of enzyme-leach^{SM} b-horizon soil anomalies for elements such as V, Mo, Nb, Ta, Li, Sr, Cs and to a lesser extent Ba. Single-site 100th percentiles are noted from site 308 near the northern limit of sampling, site 69 northwest of Seller Lake and from site 16 northeast of Cinder Lake.

Br: Bromine responses in the 2000 survey area tend to be higher in the northwest portion of the survey. A three site cluster of 100th (site 348), 99th (site 347) and 98th (346) percentiles occurs in the westernmost portion of the survey area. Two spatially separated single-site 100th percentile responses occur southwest of the Second Narrows (sites 180 and 181). Site 155 is also marked by a single 100th percentile response that corresponds to a 100th percentile response in Ba.

Ca: The 100th percentile calcium responses occur at site 40 northwest of Seller Lake and at site 35 at the Second Narrows. Other single-site 100th percentiles occur at sites 1 northwest of Cinder Lake and at site 235 on the south shore of Parker Lake.

Co: Cobalt responses are elevated in the southeast portion of the survey area. A string of 100th and 99th percentile responses occur along the southeast shore of Knee Lake. The only other area to have a distinctive Co signature occurs

north and west of Cinder Lake where 100th, 99th and 98th percentiles are documented from sites 4, 5 and 359, respectively.

Cr: Chromium has a limited range in concentrations in the 2000 samples. The highest Cr contents occur at sites 242, 299 and 320 north and east of Parker Lake at from site 73 on the southeast shore of Knee Lake.

Cs: Anomalous Cs in association with high Au in vegetation has been documented from many vegetation geochemical studies in the past. The general areas surrounding known gold mineralization in the 2000 study area have significant multisample Cs responses. A 100th (21–32 ppm) and 99th (15.5–20 ppm) percentile response is documented from the area of the gold mineralized zones at the Johnson Knee Lake and Knee Lake Gold Mines properties on the southeast shore of Knee Lake. A 100th and 99th percentile anomalous area is also present at the Second Narrows. Single-site 100th percentile anomalies occur at site 5 west of Cinder Lake and at site 322 north of Mines Point. A multisite cluster of somewhat elevated Cs occurs southeast of Parker Lake, and in association with a 'U'-shaped unit of greywacke southwest of Parker Lake.

Fe: Iron contents are elevated at sites 242, 299 and 320 where 100th percentile responses (0.71–0.84 %) are documented. These three sites are marked by 100th percentiles for Cr. A single-site 100th percentile occurs at site 73 on the southeast shore of Knee Lake where a 100th percentile response for Cr was also noted.

Hf: The southeast portion of the survey area is marked by generally higher Hf responses although the range in concentration is quite low. The 100th percentiles (1.2–1.6 ppm) occur at sites 84 and 130 and are somewhat elevated (100th to 98th percentiles) in the northeast portion of the study area. A single-site 100th percentile occurs at site 308 over tonalite in the northern portion of the survey area.

K: Clusters of samples with elevated K are noted from the northwest corner of the survey area where 5 sites are characterized by 98th to 95th percentile responses (23.9–26.5%). These sites are situated south of a northwest-trending mafic dyke. Single-site 100th percentiles occur at sites 166 and 171 on the southeast shore of Knee Lake, site 96 just east of Cinder Lake and at site 362. Site 96 occurs in proximity to a felsic volcanic unit that hosts massive sulphide type mineralization.

Mo: Responses throughout the survey area range from 1–9 ppm with a cluster of three 100th percentiles (5–9 ppm) occurring in the northeast survey area. This area was also marked as anomalous in Mo on the basis of enzyme-leach^{SM} analysis of b-horizon soils. Site 171 is also marked by a 100th percentile response.

Na: The variation in Na contents throughout the survey area is more or less uniform with several single-site 100th percentiles (3170–3770 ppm) north of Parker Lake (sites 242 and 299) and at sites 73 and 130 in the southeast. A 99th percentile of 3070–3130 ppm occurs at site 106 at the Second Narrows.

Ni: Nickel contents across the survey area are generally subdued with 100th percentile responses varying between 140 and 170 ppm. However, these 100th percentiles appear to correlate with specific geological features. They are situated over a mafic dyke at site 265 northwest of Parker Lake and at site 126 at the Second Narrows. A third anomalous site occurs at site 82 in the northeast portion of the survey area.

Rb: The distribution of 100th (660–800 ppm) and 99th (580–660 ppm) percentile responses can be related to specific geological features. A 100th percentile occurs at site 125 at the Second Narrows along with numerous 98th and 95th percentiles. Site 166 is close to the gold mineralized zones at the Johnson Knee Lake and Knee Lake Gold Mines. A 100th percentile response occurs at site 5 west of Cinder Lake.

Sb: The range in concentration of Sb across the survey area is low. The 100th percentile responses (0.8–1.5 ppm) occur at sites 30, 73 and 79 in the southeast portion of the survey area and at site 45 in the northwest. There is an apparent low-contrast and multisite association of elevated Sb with a 'U'-shaped unit of greywacke southwest of Parker Lake.

Sc: The distribution of elevated Sc responses appears to be nondescript across the survey area. Range in concentration varies from 1.8–2.5 ppm for 100th percentiles with single-site low-contrast anomalies occurring at 43 and 73 in the southeast and at 242 and 299 in the northwest.

Sr: The majority of the 100th (1400–2100 ppm) and 99th (1200–1350 ppm) percentile responses for Sr occur in the northwest portion of the survey area. These include sites 231, 338, 318 and 358. A 99th percentile occurs at site 137 in the southeast.

Th: An east-trending linear alignment of low-contrast 100th percentile Th responses (1.2–1.7 ppm) is noted from the area north and west of Parker Lake. These occur at sites 242, 299 and 303. A 100th percentile response occurs at site 73 in the southeast.

U: The U responses from the 2000 survey area are very low (0.3–0.6 ppm) and are not significant.

Zn: All elevated Zn responses are situated in the northwest portion of the survey area. The 100th percentiles (4100–4800 ppm) occur west of Parker Lake at sites 231 and 242. There is a five-site cluster of 100th to 95th percentile responses north and west of Mines Point. A single 100th percentile is documented from the southeast at site 79. This response occurs over tonalite.

TREE: The total rare-earth element signature in the 2000 survey area is maximized in the area northwest of Knee Lake. The 100th percentile responses (24.8–28 ppm) occur at sites 242, 310 and 324 in locations characterized by tonalite and granodiorite. Generally, the distribution of elevated TREE appears to be restricted to the intrusive terrain in the northwest. A single 100th percentile occurs at site 73 in the southeast. This site occurs in mafic volcanic rocks.

Inductively coupled plasma–atomic emission spectrometry (ICP-AES)

Ag: The Ag responses in the northern Knee Lake Belt are highest over the volcanic rocks. There is a marked decrease in Ag contents over tonalite and granodiorite. The 100th percentile responses (2.3–2.5 ppm) occur at sites 37, 43 and 69 near the west shore of Seller Lake.

Cd: Cadmium concentrations in crown twigs from black spruce range from 1.2–8.4 ppm across the survey area. The highest Cd occurs over mafic volcanic rocks in the southeast and elevated Cd is also noted from several sites north of Parker Lake. These sites were collected from terrain characterized by tonalite intrusions. In the southeast 100th percentiles (3.5–8.4 ppm) occur at sites 68, 73, and 118 with a 99th percentile (3.1–3.2 ppm) occurring at site 100. These sites define a crude northeast geochemical linear that parallels the shoreline of northern Knee Lake.

Cu: Significant Cu responses (100th percentiles; 314–49189 ppm) were noted from sites 257 and 279 over granodiorite and tonalite, respectively in the area north of Parker Lake. Additional 100th percentiles occur at sites 33 and 207 over mafic volcanic rock. A 99th percentile (292–310 ppm) at site 10 is situated over a felsic volcanic unit that hosts massive sulphide type mineralization. The exceptionally high concentration of 49 189 ppm Cu in ashed black spruce crown twigs from site 257 collected over tonalite is suspect.

Mn: The distribution of elevated Mn in the 2000 survey area is not focused in any particular area of northern Knee Lake. The 100th percentiles (26830–33896 ppm) occur at site 322 north of Mines Point over tonalite. In the southeast anomalous Mn occurs at 98, 124 and 130.

Mo: The range in Mo concentration across the survey area is 1–8 ppm with 100th percentiles defined as 4–8 ppm. A three site cluster of 100th percentiles occurs at sites 83, 89 and 154 in the immediate vicinity of the Johnson Knee Lake

and Knee Lake Gold mines property. A single-site 100th percentile occurs at site 6 west of Cinder Lake near the contact between mafic volcanic rocks and granodiorite.

Ni: Nickel concentrations are highest over mafic volcanic rocks in the southeast portion of the survey area although the range in concentrations for the 2000 data set is small. The 100th percentile responses are noted from site 5 west of Cinder Lake (granodiorite) and at sites 98 and 118. A 98th percentile (111–136 ppm) occurs at site 126 at the Second Narrows.

Pb: Elevated lead responses in the 2000 survey area occur over predominantly intrusive terrain north of Parker Lake as well as over terrains dominated by mafic volcanic rock in the southeast. North of Parker Lake 100th percentiles (31–43 ppm) occur at sites 242 and 299. In the southeast the 100th percentiles occur at sites 68, 73 and 118 and form a more or less northeast linear trend that coincides with the orientation of the north end of Knee Lake. Also included in this trend is a 99th percentile response at site 100. An east west trend of elevated Pb occurs just south of the gold mineralized zones at Johnson Knee Lake and Knee Lake Gold Mines. This trend is defined by the 100th percentile at site 73, a 99th percentile (29–31 ppm) at site 83 and two 98th percentiles (22–28 ppm) at sites 74 and 87.

Zn: A single elevated Zn response is documented from the southeast portion of the survey area. Site 79 is marked by a 100th percentile response (3058–3838 ppm) and occurs in terrain characterized by tonalite. A cluster of elevated Zn responses occurs west of Parker Lake at sites 265 (100th percentile), 231 (99th percentile of 2993–3024 ppm), 242 (98th percentile of 2771–2987 ppm) and a 95th percentile (2588–2751 ppm) at site 272. This zone abuts a northwest-trending mafic dyke. A second cluster of high Zn responses occurs north and west of Mines Point. The area of this response transects the contact between mafic volcanic rocks to the south and tonalite to the north. Site 314 is characterized by a 100th percentile, sites 318 and 320 have 99th percentile responses and a 95th percentile occurs at site 322. A single 100th percentile occurs at site 324 near the contact of greywacke and tonalite.

Al: Results for Al must be interpreted with caution since crown twigs are ashed in aluminum trays before acid dissolution or irradiation. High Al responses are documented from sites 242 and 299 (100th percentiles of 0.46–0.61%) in the northwest portion of the survey area. In the southeast 100th percentiles occur at sites 43 and 73.

Ba: The southeast portion of the 2000 survey area is marked by significantly higher Ba than the area to the northwest of Knee Lake. In particular Ba is concentrated in samples collected in an area east of the Second Narrows and west of Seller Lake. This area is marked by numerous 100th (674–1158 ppm) to 95th (409–464 ppm) percentile responses. A single 100th percentile response occurs at site 12 northeast of Cinder Lake.

Ca: High Ca responses are concentrated in an area west of Seller Lake and east of Cinder Lake in the southeast. An isolated 100th percentile occurs at site 1 northwest of Cinder Lake and at site 87 southeast of Mines Point. A single-site 100th percentile (30.7–31.4%) occurs at site 281 in association with a 'U'-shaped unit of greywacke in the northwest part of the survey area.

Co: Cobalt concentrations are significantly elevated in the southeast as compared to the northwest portion of the survey area. Multiple 100th (9–13.3 ppm) to 98th percentile (5.2–6.6 ppm) responses characterize the area northeast of Cinder Lake continuing to the vicinity of gold mineralization at the Johnson Knee Lake and Knee Lake Gold Mines property. A cluster of three sites with elevated Co occurs west of Cinder Lake. This includes a 100th percentile at site 2 a 99th percentile (6.8–8.1 ppm) at site 4, and a 98th percentile at site 5. It is possible that this cluster represents the westernmost point of the trend identified in the southeast.

Cr: Chromium responses in the northern Knee Lake belt are low contrast with a restricted range of 4–11 ppm. Three 100th percentiles (10–11 ppm) are documented from sites 15, 73 and 130 in the southeast and from site 299 north of Parker Lake.

Fe: The distribution of anomalous Fe in the 2000 survey area is nondescript. Two 100th percentiles (0.54–0.73%) occur at sites 73 (mafic volcanic rocks) and 83 (tonalite) in the southeast. North of Parker Lake elevated Fe is noted in four sites over tonalite and granodiorite. Two 100th percentiles occur at sites 242 and 299 and two 99th percentiles (0.50–0.52%) occur at sites 303 and 320. These sites are aligned in an east-west orientation.

K: The K contents of black spruce crown twigs are highest in the southeast portion of the survey area. A multisite string of 100th (12.69–13.79%) to 98th (11.97–12.17%) percentiles occurs along the southeast shore of Knee Lake. Additional anomalies occur east of Cinder Lake and west of Seller Lake near the southern limit of sampling. Potassium contents from samples collected in the northwest survey area are generally lower with the exception of a 99th percentile response at site 330 over greywacke.

Mg: Like the K results from ashed vegetation analyses the Mg responses are highest in the southeastern mafic volcanic rock-dominated portion of the area. A 100th percentile (7.92–8.34%) response occurs at site 164 in the northeast portion of the survey area with two 99th percentiles (7.12–7.57%) documented from adjacent sites 159 and 160. Interestingly a 100th percentile occurs over a unit of felsic volcanic rocks that hosts massive sulphide type mineralization at site 11 just east of Cinder Lake. A second 100th percentile occurs west of Cinder Lake at site 5 over granodiorite.

Na: Sodium contents, like K and Mg, are highest in the southeast portion of the survey area. Four 100th percentiles (0.21–0.26%) are documented from sites 73 and 164 near the north end of Knee Lake and from two adjacent sites (30 and 106) at the Second Narrows.

P: Phosphorus contents are also highest in the southeast survey area and show some correspondence with mineralized zones. The Second Narrows is marked by a 100th percentile (5.7–7.3 ppm) and a 99th percentile response. The general area of gold and base-metal mineralization at the Johnson Knee Lake and Knee Lake Gold Mines properties is marked by two 100th percentiles at sites 164 and 166. An isolated 100th percentile occurs at site 142. A 4 km long elevated P anomaly is present on the southeast shore of northern Knee Lake.

Sn: The Sn contents of ashed vegetation are highest in the southeast portion of the survey area and vary in concentration from 1–54 ppm across the entire survey area. The highest responses (100th percentiles) occur at sites 75, 83 and 87 over tonalite at the eastern limit of sampling. A second cluster of elevated responses occurs at sites 115 (100th percentile) 93 and 116 (both 99th percentiles of 49 ppm). This cluster occurs between Seller Lake and Cinder Lake at the southern limit of sampling.

Sr: The distribution of 100th percentile responses for the northern Knee Lake belt is evenly distributed between the southeast and northwest survey areas. A 100th percentile (1279–1690 ppm) occurs at site 137 in association with two 98th percentiles (757–877 ppm) near a granodiorite that intrudes mafic volcanic rocks. A single 100th percentile occurs west of Cinder Lake at site 6. In the northwest, areally separated sites 231 and 318 are marked by 100th percentiles. Site 231 is west of Parker Lake and site 318 is at or near the contact between mafic volcanic rocks to the south and tonalite to the north.

V: Vanadium concentrations in the 2000 survey area are elevated over intrusive rocks in both the southeast and northwest survey areas. Sites 242 (granodiorite) and 299 (tonalite) in the northwest are marked by 100th percentiles. Site 83 (tonalite) and 73 (mafic volcanic rocks) in the southeast are also marked by 100th percentiles. There is no relationship between the V contents of black spruce crown twigs and known mineralized zones.

S: There are four 100th percentile (2.8–3.1 ppm) responses in the 2000 survey area. One of these occurs at site 126 at the Second Narrows where exploration for Au has been undertaken. The remainder of the elevated responses are observed from sites 28 and 366 (mafic volcanic rocks) and at site 322 over tonalite.

Inductively coupled plasma–mass spectrometry (ICP-MS)

Twenty-one vegetation samples were selected, ashed and analyzed by ICP-MS. Samples were selected from areas of mafic volcanic and/or intrusive rocks. This approach was taken in order to take advantage of the lower limits of detection available with ICP-MS technology, thereby allowing a preliminary assessment of the potential for platinum-group elements in parts of the 2000 survey area.

Interesting element assemblages are present in the ICP-MS data. A base-metal association (elevated Cu, Co and Re) is noted in the data at site 10. It is noteworthy that ICP-MS technology permits the measurement of Re in the parts per trillion (ppt) concentration range. Elevated Cu (ICP-AES) and Co (INAA) were previously noted at site 10. A second base-metal association (100^{th} percentiles for Pb, Cd and In) is noted at site 42. A nonmineralized, green-grey weathering leucogabbro with rusty weathering fractures was observed in outcrop at this site.

A 100^{th} percentile response (43 ppb) for Pd is documented from site 51 and a 98^{th} percentile response (39 ppb) occurs at site 115. Both of these responses indicate that a follow-up visit to these two sites is warranted. Outcrop at these sites includes a light-medium green weathering gabbro with 1–2% disseminated pyrite and pyrrhotite and 5% disseminated magnetite at site 51 and a grey-green weathering massive and pillowed basalt with localized rusty weathered patches at site 115.

Elsewhere, elevated Mg is noted for samples from adjacent sites 12 and 15. Site 12 is marked by an olive green weathering, fine-grained dacite with 'pinhead'-sized black-dark green chlorite. This style of alteration could be 'fish-scale' Mg-Fe chlorite that commonly accompanies massive-sulphide–type mineralization. Outcrop at site 15 consists of dark green weathering, fine-grained, massive basalt with carbonate-filled fractures. A gabbro-gabbronorite intrusion is mapped in the vicinity of these anomalies. Ag contents are also high at site 15. Site 46 has elevated U, Th and REE in an area of medium green weathering altered basalt. At this site, the basalt matrix is crosscut by rusty weathering amphibole-biotite pyrite veins with 3–5% disseminated pyrite. A low-contrast 100^{th} percentile response (1.2 ppm Mo) occurs at site 131 in an area of dark green weathering, fine-grained basalt that is locally rusty weathered with 1–2% disseminated pyrite and chalcopyrite.

Synthesis

The 2000 vegetation geochemical survey of the northern half of the Knee Lake greenstone belt has successfully documented single-site and multisite geochemical anomalies that are of low, moderate and high contrast. These anomalies are associated with areas of known base- and precious-metal mineralization, prospective and/or unique rock types, and their geophysical expressions.

Anomalous vegetation geochemical responses are also associated with areas of no known mineral potential but with coincident electromagnetic and magnetic anomalies. The application of ICP-MS analytical methodology to this year's samples has demonstrated that platinum-group elements can be analyzed in this sample medium, and at least one anomaly is present in this year's study area.

Responses to known base- and precious-metal mineralization

The precious-and lesser base-metal mineralized zones at the adjacent Johnston Knee Lake Gold Mine and the Knee Lake Gold Mine properties are conspicuous by their vegetation geochemical signatures. High-contrast Cs, Mo and P responses characterize the immediate and surrounding area of these deposits. Additional high-contrast anomalies characterize the southeast shore of Knee Lake in an area southwest of the gold±base-metal mineralization. This linear southwest trend of anomalous geochemical responses may be attributed to the extension of the controlling mineralized fracture that hosts much of the mineralization. Anomalous Co responses are obtained in this area and may reflect the presence of disseminated zones of iron-sulphide minerals. Mineralization at these deposits is characterized by a medium-strength airborne-electromagnetic conductor. Exploration along this trend could be assisted by geochemical analysis of black spruce crown twigs.

The area of the Second Narrows has been the site of gold exploration. Linear northwest-trending structural zones with associated alteration characterize this general area. Elevated Au, As, Cs and Ni occur in ashed vegetation samples from the general area of the gold mineralization.

The Parker Lake area is marked by the presence of extensive sulphide- and silicate-oxide–facies iron formations. This observation is based upon the presence of extensive, linear, high magnetic responses and diamond-drill testing of these geophysical anomalies. The area is notable for its lack of outcrop and is mantled by thick glaciolacustrine clay, sand, drumlinoid ridges and organic deposits. Gold grains were retrieved from till samples collected during an overburden drill program down-ice from the iron formations and two electromagnetic conductors. Vegetation geochemical anomalies include Au, Cs, Sb, Zn and Cd in the area of Parker Lake.

A north-trending linear unit of felsic volcanic rocks that hosts massive-sulphide–type mineralization was identified by a wide range of indicator elements in vegetation samples collected during the 1999 survey of the southern half of the belt. This unit occurs in the northern half of the Knee Lake belt (this report) and is marked by elevated Cu and Mg in vegetation samples.

A unit of metasedimentary gneiss is mapped near the southern limit of sampling in 2000. This unit is characterized by multiple airborne-electromagnetic conductors and also contains iron formation intersected during diamond-drilling. Elevated Ni, Co and Sn in vegetation samples are associated with this lithological unit.

Other anomalous responses

A high-to medium-contrast, multi-element, multisample anomaly is recognized from the northeast corner of the 2000 survey area. This anomaly is identified on the basis of Ba contents of vegetation and the V, Mo, Nb, Ta, Li, Sr, Cs and Ba contents of b-horizon soil samples analyzed with the enzyme leach[SM]. This suite of indicator elements is suggestive of pegmatite-hosted rare-element mineralization, although none has been reported from the area. Northeast of this anomaly is a coincident linear electromagnetic and magnetic anomaly that is untested.

Lithology-specific responses are apparent in the vegetation geochemical data from the northern half of the Knee Lake greenstone belt. A northwest-trending mafic dyke that occurs in the northwest portion of the survey is marked by elevated Ni in ashed vegetation samples. The total rare-earth element signature of vegetation samples is generally higher from sites in intrusive terrain compared to sites over mafic volcanic rocks. However, Ag contents are higher over mafic volcanic rocks.

The distribution of P in vegetation samples from the southeast portion of the survey area is interesting in that P anomalies define a linear train that is aligned parallel with the last ice advance at approximately 235°. This anomalous trend coincides with the orientation and location of a 65 km long kimberlite indicator-mineral dispersion train identified in 1999 and 2000 (Fedikow et al., 2001a, b) in the Knee Lake belt. The enrichment of P in kimberlite (approximately 3000 ppm) relative to an average mafic rock (200–250 ppm) indicates the potential for P geochemical dispersion trains to be developed at Knee Lake. Although unsubstantiated, the P anomalies in vegetation along the southeast shore of Knee Lake may be reflecting a kimberlitic source up-ice from the limits of sampling in 2000. The P would have been acquired by the black spruce during routine nutrient acquisition. This is not unreasonable, since the trees are rooted in the same tills sampled for KIM concentrating, picking and probing.

Recommendations and conclusions

This vegetation geochemical survey, based on the INAA, ICP-AES and ICP-MS analysis of ashed samples of the crown twigs of black spruce (*Picea mariana*), indicates that:

1) geochemical flux in the ashed vegetation datasets define metallogenically significant regional features as well as more localized bedrock point source mineralized zones, unique rock types and anomalous magnetic and electromagnetic responses;

2) the vegetation geochemical responses are based upon the variation in concentration of essential and/or nonessential elements;

3) the coincidence of vegetation geochemical anomalies with those defined by the analysis of outcrop rock-chip, b-horizon soil and humus samples suggests that the clay-rich surficial deposits characterizing the survey areas are not necessarily 'geochemically impenetrable' to the shallow root system of the black spruce tree;

4) coincident vegetation and outcrop rock-chip geochemical anomalies indicate minimal dilution of vegetation geochemical response by particulate contamination;

5) the Knee Lake Belt is established as a metallogenically significant area based on the large number of high-contrast, multisample, base- and precious-metal vegetation geochemical anomalies;

6) detailed prospecting and geochemical surveys are recommended for the 2000 survey area, with special attention being given to multimedia geochemical anomalies coincident with deformation zones, geophysical conductors and demonstrated highly prospective rock types; and

7) the identification of P vegetation geochemical anomalies in the same location and orientation as the Knee Lake KIM dispersion train provides food for thought. The enrichment of P in kimberlites might reasonably be expected to be mirrored in glacial tills derived from the erosion of kimberlite. Since the trees sampled for the 2000 survey are rooted in the same substrate, their uptake of P during routine nutrient acquisition is probable. The potential for identifying KIM dispersion trains on the basis of P contents in black spruce crown twigs will be assessed in the 2001 survey.

ICP-AES Analyses - Ashed Samples.

Sample Site	UTM		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	Ba	Ca	Co	Cr	Fe	K	Mg
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	%	%
BST-1	376811.59	6095036.00	2.0	0.74	153	7747	1	35	4	2611	0.12	454	30.8	1.3	5	0.16	6.64	4.90
BST-2	377219.03	6094650.00	1.8	1.34	243	11420	1	93	5	1499	0.31	305	24.5	13.3	8	0.22	7.67	5.24
BST-3	376792.44	6093754.00	1.4	1.62	260	6937	2	44	9	2447	0.13	256	17.8	1.8	6	0.21	11.77	5.62
BST-4	377113.03	6092150.50	1.8	1.24	230	8696	3	73	8	1880	0.13	427	26.9	6.8	6	0.17	8.14	5.17
BST-5	376519.25	6090956.50	1.7	1.76	281	12080	1	171	11	1996	0.22	234	20.6	6.6	7	0.23	8.70	7.96
BST-6	380742.38	6092790.50	1.8	1.34	207	6921	4	23	9	2531	0.26	431	27.6	1.3	7	0.34	7.02	5.05
BST-7	380452.84	6090959.50	1.4	1.69	137	7784	1	66	8	2392	0.24	405	23.9	1.3	6	0.30	9.11	4.10
BST-8a Analytical Duplicate	384794.28	6092294.50	1.4	1.19	137	8542	3	39	1	1728	0.23	445	24.3	1.4	7	0.18	8.96	5.36
BST-8b Analytical Duplicate	384794.28	6092294.50	1.4	0.97	130	8431	1	38	6	1652	0.21	388	23.8	1.1	6	0.17	8.89	5.43
BST-10	386124.94	6091321.50	1.6	1.65	300	6781	2	61	7	1851	0.15	349	22.1	4.9	6	0.22	8.94	4.73
BST-12	385538.47	6092322.50	1.4	1.47	261	8186	3	24	8	2349	0.13	494	26.0	1.2	6	0.20	6.93	7.92
BST-13	386406.75	6094751.50	1.3	1.71	140	7729	1	45	17	2652	0.26	778	22.5	1.8	7	0.36	5.81	4.16
BST-14	382872.97	6094968.00	1.3	1.33	181	8178	1	30	4	2256	0.17	372	22.6	0.5	6	0.24	9.77	5.94
BST-15	384536.25	6095146.50	1.1	1.24	232	10540	1	70	9	1430	0.20	209	20.8	3.4	7	0.20	7.72	5.02
BST-16-1 Field Duplicate	385545.63	6095757.00	1.9	1.84	216	10740	3	197	9	1444	0.41	241	27.8	4.3	11	0.26	8.37	4.92
BST-16-2 Field Duplicate	389243.59	6093479.00	1.8	1.61	151	8032	2	66	18	1214	0.38	322	26.6	2.8	8	0.30	7.92	4.52
BST-17	388099.72	6092595.00	1.5	1.56	138	5076	2	30	11	1623	0.28	501	30.7	1.3	6	0.33	5.45	2.78
BST-18	386987.81	6092178.00	1.1	1.51	175	22570	1	96	6	2588	0.29	531	24.0	1.8	8	0.30	8.12	5.05
BST-24	389871.75	6091013.50	1.3	2.06	162	7814	1	33	15	1602	0.30	275	21.0	1.6	8	0.35	7.82	5.66
BST-25	388257.63	6091353.50	1.9	1.03	153	7251	1	36	8	2316	0.15	423	25.7	1.4	5	0.23	8.33	4.27
BST-28	392562.69	6091566.00	1.3	0.97	194	9672	3	31	4	1834	0.17	332	21.5	1.5	6	0.22	7.71	4.00
BST-29	392950.53	6094153.50	1.9	1.94	201	9516	2	48	9	2237	0.26	336	29.1	1.9	6	0.32	6.30	3.99
BST-30a Analytical Duplicate	387156.56	6099410.50	1.2	2.01	218	4978	2	127	19	2303	0.27	429	21.9	2.7	7	0.34	10.19	4.50
BST-30b Analytical Duplicate	387156.56	6099410.50	1.3	2.54	230	5271	2	136	21	2401	0.28	430	22.4	2.8	7	0.36	10.58	4.70
BST-31	386046.34	6096399.00	1.4	2.01	235	8434	1	49	10	1799	0.21	299	21.2	3.3	7	0.24	9.74	5.85
BST-33	387468.13	6097904.00	1.3	1.83	331	20150	1	69	2	2265	0.21	307	23.7	2.1	8	0.28	6.79	5.53
BST-34	387794.94	6101729.00	1.4	1.55	150	4411	1	35	7	1414	0.20	466	26.2	0.5	5	0.25	7.18	5.31
BST-35-1 Field Duplicate	386267.97	6101746.50	1.2	2.14	135	7986	2	45	15	1759	0.27	387	23.1	2.0	7	0.34	7.27	6.06
BST-35-2 Field Duplicate	386267.97	6101746.50	1.6	1.48	113	9853	2	33	8	1317	0.20	399	30.4	1.5	6	0.27	5.11	4.19
BST-37	394285.81	6088654.00	2.4	2.28	184	12060	3	72	21	2637	0.38	398	25.1	2.1	8	0.47	6.85	4.17
BST-38	394987.06	6089686.50	1.1	2.41	193	9687	3	61	24	1734	0.41	515	23.5	3.4	9	0.49	8.24	4.86
BST-39	394829.91	6093366.00	1.4	1.96	155	9261	1	47	16	1919	0.33	375	22.6	2.1	8	0.42	8.79	5.24
BST-40	396930.69	6095529.50	1.7	1.75	174	7280	3	58	10	1606	0.23	441	30.4	1.5	6	0.30	6.36	4.17
BST-41	397175.34	6096765.50	1.6	1.12	164	6916	3	39	8	1165	0.18	456	28.9	2.0	5	0.23	7.56	3.62
BST-42	392622.44	6095510.50	1.2	2.27	186	9032	1	79	14	2045	0.32	572	24.9	2.2	8	0.40	5.59	4.68
BST-43	399444.06	6096834.00	2.4	2.04	167	10300	3	53	16	1968	0.46	373	27.4	3.4	9	0.52	7.29	3.78
BST-44	396369.22	6096019.00	1.6	1.46	156	11690	3	54	8	1624	0.35	397	24.6	3.2	8	0.40	6.06	4.70
BST-45	395159.84	6097386.00	1.2	1.29	194	9458	3	55	5	2198	0.20	674	22.8	1.3	6	0.25	6.59	4.69
BST-46	396015.28	6097819.50	1.3	1.51	135	14410	1	42	11	1759	0.34	975	21.7	1.2	8	0.38	6.57	4.40
BST-47	396755.06	6098921.50	1.7	1.06	123	6045	1	18	1	1580	0.17	388	26.5	0.5	5	0.23	7.11	4.75
BST-48	395938.59	6099589.00	1.4	1.54	145	9167	1	40	14	2159	0.26	421	24.1	1.9	7	0.31	8.80	4.66
BST-49	396828.66	6100814.00	1.4	1.45	172	8482	1	34	9	2569	0.20	435	25.3	2.0	6	0.28	6.33	4.61
BST-50a Analytical Duplicate	394790.84	6100997.50	1.1	1.50	147	6425	1	45	5	2117	0.24	597	26.5	1.4	7	0.33	7.59	4.51
BST-50b Analytical Duplicate	394790.84	6100997.50	1.2	1.71	143	5777	2	43	14	2013	0.26	519	25.7	1.7	7	0.34	7.36	4.13
BST-51	393755.47	6100100.50	1.4	2.00	174	14320	2	78	9	2028	0.29	540	27.4	1.4	8	0.36	6.52	5.05
BST-52	400768.63	6096955.50	1.3	2.37	129	10570	1	35	10	2626	0.27	516	22.9	1.2	8	0.33	7.66	4.61
BST-53-1 Field Duplicate	399544.66	6095816.50	1.6	1.49	144	8576	1	20	8	1734	0.21	515	26.1	1.2	6	0.25	6.91	4.13
BST-53-2 Field Duplicate	399544.66	6095816.50	1.4	2.40	142	7460	2	54	18	1182	0.37	339	24.7	2.7	7	0.43	6.74	4.15

Sample Site	UTM		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	Ba	Ca	Co	Cr	Fe	K	Mg
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	%	%
BST-54	402068.50	6097093.50	1.3	2.10	138	4905	3	18	10	1572	0.22	345	23.4	1.4	6	0.28	6.47	5.24
BST-55	390952.91	6099942.50	1.3	1.59	120	6202	2	29	10	1859	0.18	464	23.7	1.5	5	0.26	7.64	4.60
BST-56	397265.06	6103193.00	1.3	2.40	120	8164	1	51	15	2121	0.24	531	23.6	1.5	6	0.34	6.45	5.02
BST-57	395006.56	6102457.50	1.1	2.59	138	4712	2	39	17	1807	0.26	409	25.4	1.9	5	0.37	6.32	3.74
BST-58	395716.94	6102027.50	1.2	1.41	188	7688	1	37	10	1977	0.12	458	23.9	1.8	5	0.20	7.18	5.53
BST-59	392717.81	6102808.00	1.1	2.59	162	11160	2	68	26	1773	0.36	316	21.6	2.1	9	0.49	6.81	4.95
BST-60	395773.38	6101007.00	1.3	1.78	191	10420	2	96	6	1252	0.16	290	20.6	8.1	6	0.22	9.12	4.89
BST-61	392900.03	6100991.00	1.2	1.38	128	7618	2	43	8	1701	0.21	1158	24.0	1.7	6	0.27	6.55	3.50
BST-62	389885.03	6101959.00	1.6	1.54	187	8216	2	41	8	1566	0.20	252	26.9	2.4	6	0.28	6.42	4.29
BST-63	391621.97	6102347.50	1.8	2.00	180	8774	2	47	15	2676	0.28	283	25.1	1.8	8	0.37	9.11	5.75
BST-64a Analytical Duplicate	392280.47	6100523.00	2.2	1.71	245	13190	3	105	14	1763	0.32	275	28.1	2.6	7	0.31	7.49	4.30
BST-64b Analytical Duplicate	392280.47	6100523.00	2.0	1.38	229	12700	3	97	13	1669	0.28	242	26.7	2.7	7	0.28	7.13	4.27
BST-65	393553.56	6099419.00	1.9	1.31	214	13820	3	81	19	1704	0.30	280	23.8	2.1	8	0.31	7.72	6.22
BST-66	394714.06	6096812.00	1.9	1.32	177	10210	3	35	11	1903	0.24	246	29.6	2.3	7	0.28	6.72	4.17
BST-67	397742.78	6100050.50	2.5	1.59	262	12190	1	111	11	1589	0.13	269	23.4	3.3	6	0.16	8.05	6.40
BST-68	399084.13	6101491.00	1.6	3.54	200	5518	3	84	31	2111	0.38	304	22.4	4.8	9	0.48	8.07	4.74
BST-69-1 Field Duplicate	398290.31	6099503.50	1.9	1.30	116	8692	3	45	17	1560	0.26	297	27.0	2.3	6	0.32	8.49	3.17
BST-69-2 Field Duplicate	398290.31	6099503.50	2.3	1.39	160	9905	2	52	15	1881	0.27	160	27.9	3.0	6	0.33	7.89	3.47
BST-70	393255.56	6103846.50	1.6	1.33	206	8080	2	51	20	2267	0.20	213	22.5	1.7	7	0.29	11.39	4.64
BST-71	399944.16	6103230.00	1.2	1.82	159	6093	2	33	17	2290	0.24	221	25.7	1.6	7	0.30	7.88	6.30
BST-72	402259.69	6104161.50	1.1	1.22	145	5344	1	27	11	2870	0.24	309	25.1	0.5	6	0.28	7.28	5.00
BST-73	402783.03	6105930.50	1.3	3.95	141	6044	3	84	43	1598	0.61	318	28.4	3.6	11	0.73	4.91	4.37
BST-74	404843.22	6106167.00	0.9	1.97	160	9275	1	57	24	2364	0.31	388	23.0	2.1	7	0.36	9.71	4.73
BST-75	404345.91	6107971.00	1.1	1.72	109	10720	2	76	13	1729	0.30	175	26.6	3.2	7	0.35	6.78	3.12
BST-76-1 Field Duplicate	405489.13	6108952.50	1.1	1.64	155	7364	8	45	17	2450	0.26	231	25.0	2.5	6	0.33	8.99	3.89
BST-76-2 Field Duplicate	405489.13	6108952.50	1.2	1.54	152	6085	6	40	13	1632	0.31	157	27.1	2.0	7	0.41	6.45	4.06
BST-77a Analytical Duplicate	407618.00	6108196.00	1.5	1.85	119	12500	1	144	17	1790	0.36	196	25.7	8.8	7	0.35	8.49	4.44
BST-77b Analytical Duplicate	407618.00	6108196.00	1.5	1.77	119	12670	3	149	18	1774	0.35	184	26.1	9.3	7	0.33	8.44	4.59
BST-78	409199.56	6108708.50	0.1	1.00	163	22130	1	60	13	2071	0.16	267	16.2	1.9	7	0.22	11.07	6.91
BST-79	408686.88	6110003.50	1.0	1.43	183	13860	3	42	17	3838	0.24	234	21.5	1.6	8	0.31	11.66	5.87
BST-80	409780.19	6109958.00	1.3	1.90	168	9527	2	77	21	2086	0.29	314	28.5	2.7	7	0.34	8.18	4.31
BST-81	410936.50	6109974.50	0.9	1.43	191	9552	2	69	16	2214	0.32	180	23.3	1.6	8	0.36	7.97	6.21
BST-82	410200.44	6108716.00	1.1	1.53	176	11417	1	63	12	2537	0.33	99	23.2	2.3	8	0.37	9.31	4.21
BST-83	408701.53	6106066.50	1.1	2.71	164	5294	5	64	31	2448	0.44	246	30.4	3.6	9	0.54	8.64	4.00
BST-84	393512.25	6096425.00	1.5	1.95	192	8944	2	47	18	1890	0.39	190	25.8	2.1	8	0.45	9.80	4.47
BST-85	402062.69	6103060.50	0.7	1.90	174	21540	2	70	21	2546	0.37	228	27.2	1.6	8	0.45	7.80	6.02
BST-86	405613.66	6106052.00	0.8	1.14	187	23273	2	69	8	1574	0.37	140	26.0	5.9	8	0.30	10.24	2.53
BST-87	406394.53	6105961.00	1.4	1.45	143	12000	3	60	27	2270	0.34	201	31.4	2.8	7	0.44	6.14	3.71
BST-88	406650.31	6108446.50	0.7	0.90	137	25360	2	69	9	1673	0.14	206	26.1	2.1	7	0.22	9.59	5.80
BST-89	408752.84	6106602.00	0.9	1.20	200	10300	5	101	17	2172	0.24	243	21.1	3.7	7	0.31	10.01	5.92
BST-90	391117.84	6091481.50	1.2	0.79	191	4384	2	19	9	2439	0.15	184	26.9	1.1	5	0.19	8.86	4.65
BST-91	390579.66	6092302.50	1.0	0.60	173	5290	1	28	9	1402	0.16	326	22.0	1.9	6	0.18	12.42	5.20
BST-93	389781.91	6092662.00	1.2	0.86	184	10320	1	86	8	1462	0.19	294	29.1	6.6	5	0.17	8.72	4.09
BST-94a Analytical Duplicate	389081.13	6092532.00	0.6	1.68	193	4656	2	41	13	1808	0.21	221	23.0	1.8	7	0.28	12.20	4.92
BST-94b Analytical Duplicate	389081.13	6092532.00	0.8	1.58	183	4464	1	35	9	1704	0.18	149	22.4	1.4	6	0.24	12.00	5.06
BST-96	386122.09	6093126.50	0.9	1.14	288	9648	1	143	12	1613	0.27	156	20.3	8.0	7	0.20	12.69	5.42
BST-97	385659.50	6094922.00	0.4	1.70	176	11726	1	53	15	1663	0.31	119	20.8	5.4	8	0.34	10.97	4.64
BST-98	390172.91	6093525.00	0.4	1.96	248	33896	2	158	8	1764	0.29	85	21.9	6.1	9	0.29	9.31	3.95
BST-99	391068.38	6094189.00	0.7	1.22	172	7555	1	66	4	2224	0.16	190	25.2	1.5	6	0.20	8.26	6.05
BST-100a Analytical Duplicate	390771.78	6095004.00	0.7	3.29	190	6678	2	83	33	1626	0.38	60	24.3	3.0	9	0.47	7.37	6.29
BST-100b Analytical Duplicate	390771.78	6095004.00	0.4	3.26	187	7027	3	85	25	1666	0.38	137	24.3	2.7	9	0.46	7.78	6.42
BST-101a Analytical Duplicate	393612.16	6097352.00	1.2	1.91	108	4265	2	27	19	2229	0.27	480	30.7	1.9	6	0.34	5.72	4.27
BST-101b Analytical Duplicate	393612.16	6097352.00	1.2	1.62	111	4460	3	27	19	2300	0.27	392	30.6	1.6	6	0.34	5.84	4.44

Sample Site	UTM		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	Ba	Ca	Co	Cr	Fe	K	Mg
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	%	%
BST-102-1 Field Duplicate	392650.41	6096653.00	1.1	0.79	178	8912	2	35	7	1712	0.18	238	27.0	1.6	6	0.26	7.87	3.06
BST-102-2 Field Duplicate	392650.41	6096653.00	0.9	1.21	165	10000	3	42	8	2025	0.19	325	29.5	1.6	6	0.27	7.65	4.36
BST-103	391819.38	6096113.00	0.7	1.12	182	12060	1	30	19	1976	0.19	184	21.8	1.8	7	0.28	10.46	5.11
BST-104	390131.41	6099288.50	1.0	2.54	247	6116	2	136	28	2841	0.28	249	25.3	2.9	8	0.38	7.82	6.26
BST-105	390189.03	6100414.50	0.6	1.89	220	6393	1	43	22	1541	0.24	315	20.0	2.9	7	0.34	10.83	4.60
BST-106	388754.06	6100689.00	0.5	2.13	198	13090	2	44	22	2215	0.33	271	20.1	2.5	9	0.43	10.65	5.45
BST-109	386132.81	6096368.00	0.8	1.60	137	8477	2	56	12	1107	0.29	112	29.1	2.8	6	0.36	4.92	4.94
BST-110	386549.38	6095571.00	0.9	1.24	140	8109	1	40	8	1750	0.18	283	26.2	1.6	6	0.24	7.59	3.96
BST-113	392921.88	6098805.00	1.1	0.76	206	11510	2	100	4	1644	0.14	219	25.0	2.1	5	0.16	8.45	3.55
BST-114	392777.34	6097588.00	1.0	1.32	289	6965	2	51	14	1619	0.16	227	21.1	2.5	7	0.23	11.97	5.00
BST-115	391675.25	6095251.50	0.7	1.27	150	6298	3	61	20	2243	0.20	416	27.7	1.9	6	0.30	8.17	4.10
BST-116	389621.63	6095117.50	0.7	0.81	207	19640	3	76	14	2771	0.22	330	23.6	1.4	7	0.29	9.47	3.99
BST-117	390853.22	6096177.00	0.7	1.24	203	5947	1	70	11	1449	0.29	251	20.6	3.6	7	0.29	9.15	5.17
BST-118a Analytical Duplicate	391438.41	6097052.00	0.7	5.69	242	27130	2	166	44	1844	0.35	484	25.1	2.9	9	0.46	7.63	4.95
BST-118b Analytical Duplicate	391438.41	6097052.00	0.7	4.57	225	25180	1	152	39	1720	0.31	443	24.5	2.4	8	0.39	7.84	5.16
BST-118c Analytical Duplicate (of 118b)	391438.41	6097052.00	0.8	4.55	226	18450	3	167	39	1790	0.34	494	25.3	2.8	10	0.43	8.03	5.48
BST-119	387047.13	6096397.00	0.9	2.15	175	8879	1	48	15	1718	0.22	336	25.8	1.7	7	0.29	9.49	4.90
BST-120	388195.31	6096944.00	1.1	1.28	159	6932	2	36	13	1996	0.16	246	25.8	1.6	6	0.23	10.88	5.19
BST-121	388949.72	6097695.50	0.8	1.28	186	6156	3	37	7	1526	0.23	195	23.7	3.1	7	0.26	10.58	5.86
BST-122	390079.06	6098127.00	0.9	0.75	173	5904	1	37	12	2062	0.15	221	24.6	0.5	6	0.21	11.69	4.35
BST-124	391713.34	6098945.50	0.5	1.45	200	29430	2	82	10	2419	0.14	348	20.1	1.2	8	0.17	11.99	5.98
BST-125	388349.84	6102123.50	0.8	0.86	180	8833	2	26	8	1590	0.09	275	20.2	1.7	6	0.15	12.09	5.35
BST-126	389293.28	6102642.00	0.7	0.97	182	10690	2	145	9	1953	0.17	117	19.9	5.8	6	0.14	10.76	6.87
BST-128	390869.06	6103009.00	0.9	1.36	166	11150	2	70	14	1907	0.18	340	21.5	1.7	8	0.27	10.24	5.03
BST-130-1 Field Duplicate	392870.50	6104868.50	0.3	1.74	175	19920	2	127	14	2149	0.20	320	19.4	0.5	7	0.26	10.79	5.61
BST-130-2 Field Duplicate	392870.50	6104868.50	0.4	1.99	209	26830	1	93	20	2202	0.36	362	21.5	1.9	10	0.44	8.03	4.36
BST-131	393909.19	6105750.00	0.8	0.54	267	8756	2	50	2	1371	0.08	248	22.1	1.4	5	0.14	10.29	4.67
BST-133a Analytical Duplicate	395632.94	6104304.50	0.6	0.57	217	6742	1	26	6	1152	0.09	277	20.9	1.7	5	0.16	10.25	3.57
BST-133b Analytical Duplicate	395632.94	6104304.50	0.7	0.25	219	6746	1	27	5	1164	0.08	296	21.0	1.7	5	0.15	10.43	3.59
BST-134	395953.06	6103406.50	0.7	1.44	224	10190	2	76	15	2109	0.22	271	21.9	1.2	7	0.29	7.29	4.35
BST-135	398475.94	6100648.50	0.6	1.35	193	12700	1	97	8	1530	0.17	252	20.0	2.6	7	0.20	10.37	5.18
BST-136	397807.00	6101720.00	1.1	0.61	109	3506	2	15	7	1441	0.13	308	26.3	0.5	5	0.18	9.17	4.63
BST-137-1 Field Duplicate	398893.06	6102443.50	0.8	0.93	95	13030	1	21	8	2019	0.15	298	26.7	1.0	7	0.24	9.27	3.86
BST-137-2 Field Duplicate	398893.06	6102443.50	0.3	1.93	153	21210	2	30	20	2730	0.25	332	22.7	1.1	7	0.35	10.23	4.36
BST-138	400332.28	6102223.50	1.0	1.08	216	8013	3	26	5	1520	0.12	173	23.1	2.0	6	0.19	10.18	4.97
BST-139	401013.91	6102969.00	0.9	2.36	142	4349	2	28	17	2361	0.22	251	22.2	1.8	6	0.29	9.83	5.09
BST-140a Analytical Duplicate	396582.16	6102405.00	0.6	1.49	136	8874	2	22	15	2261	0.22	238	22.6	1.3	7	0.29	10.56	4.49
BST-140b Analytical Duplicate	396582.16	6102405.00	0.6	1.41	123	8236	1	21	11	2099	0.20	226	21.0	1.3	6	0.27	9.66	4.22
BST-142	398461.16	6104054.50	0.3	0.74	161	5922	3	40	5	1340	0.06	197	17.1	3.4	6	0.12	11.47	4.08
BST-143a Analytical Duplicate	398945.84	6104816.50	0.8	0.97	211	7041	1	38	11	1751	0.15	177	17.4	2.6	7	0.20	8.85	6.00
BST-143b Analytical Duplicate	398945.84	6104816.50	0.8	1.21	218	7221	2	39	12	1811	0.16	211	18.5	3.6	7	0.21	9.35	6.28
BST-145	400163.44	6105012.00	1.4	1.32	186	8563	1	56	17	1776	0.27	311	24.9	1.4	7	0.33	9.36	5.06
BST-147	401680.66	6104926.00	1.2	0.25	162	9392	3	131	8	1165	0.17	170	21.8	11.8	6	0.15	12.67	4.35
BST-149-1 Field Duplicate	402139.66	6105434.00	0.6	0.76	118	9264	1	35	8	1463	0.14	255	20.6	1.8	6	0.17	10.48	6.19
BST-149-2 Field Duplicate	402139.66	6105434.00	0.7	0.87	203	8692	1	48	7	2074	0.13	241	18.0	1.8	6	0.18	12.02	6.90
BST-151	402635.81	6106941.00	1.2	1.59	167	5844	3	47	15	1841	0.23	376	26.7	2.0	7	0.32	12.12	3.94
BST-152	403285.63	6107605.00	0.8	0.52	159	12780	1	91	10	1950	0.24	246	21.1	6.1	8	0.20	12.84	5.31
BST-153	403857.41	6108381.00	0.5	1.26	232	7215	1	28	3	1732	0.08	181	14.9	5.2	5	0.14	12.17	5.42
BST-154	405007.19	6108764.00	0.8	0.73	118	6353	1	123	2	1296	0.16	241	18.2	2.9	5	0.13	12.43	4.83
BST-155	405182.97	6109662.50	1.0	1.40	117	13100	1	91	4	1499	0.17	125	16.7	9.6	6	0.17	11.75	3.26
BST-157	402663.81	6108717.50	0.7	1.28	259	8544	1	66	8	1991	0.18	304	19.7	3.2	6	0.17	10.35	4.87
BST-159	401165.03	6107954.50	0.4	1.67	179	8915	1	131	13	1724	0.15	161	14.7	1.9	7	0.21	9.14	7.12
BST-160	399579.41	6108137.00	0.5	1.63	223	10780	1	79	8	2063	0.11	193	13.5	0.5	7	0.18	10.53	7.43
BST-161	409503.97	6110965.50	0.6	0.65	83	2196	1	9	3	1171	0.07	225	19.7	0.5	4	0.12	10.54	4.10

Sample Site	UTM Easting	UTM Northing	Ag ppm	Cd ppm	Cu ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm	Al %	Ba ppm	Ca %	Co ppm	Cr ppm	Fe %	K %	Mg %
BST-162a Analytical Duplicate	408825.19	6111203.00	0.7	1.24	152	6846	1	18	6	1423	0.14	192	17.5	1.2	6	0.19	11.56	5.53
BST-162b Analytical Duplicate	408825.19	6111203.00	0.6	1.30	151	6757	1	17	9	1362	0.13	195	17.6	0.5	6	0.18	11.42	5.51
BST-163	407938.84	6110567.50	0.6	1.59	169	8405	1	33	7	1802	0.18	257	18.0	1.8	7	0.22	10.86	6.48
BST-164	407481.53	6111172.00	0.5	2.49	279	6218	1	109	16	1853	0.25	143	11.7	3.5	8	0.29	11.68	8.19
BST-166	406114.34	6111079.00	0.5	1.49	217	5691	1	90	6	1545	0.15	186	12.2	5.1	6	0.16	13.79	5.24
BST-167	404689.56	6110332.00	0.1	1.21	150	20620	1	114	1	1573	0.09	266	19.0	0.5	6	0.10	9.95	5.65
BST-168	407173.28	6110038.00	0.7	1.13	108	4888	1	31	11	1113	0.13	251	21.2	1.3	5	0.20	8.13	5.06
BST-169	406356.91	6109394.50	0.8	1.26	131	5551	1	33	7	1956	0.15	286	22.4	2.0	6	0.22	9.44	3.89
BST-170	401106.94	6103466.00	1.0	0.95	116	4443	1	13	6	1658	0.13	407	23.1	1.1	5	0.17	8.83	3.95
BST-171-1 Field Duplicate	400308.25	6102973.00	0.6	1.25	136	6336	1	60	5	1474	0.09	214	16.8	0.5	5	0.13	11.97	5.18
BST-171-2 Field Duplicate	400308.25	6102973.00	0.9	1.51	216	7493	2	111	12	1725	0.19	229	20.4	1.9	7	0.25	10.37	6.25
BST-173	385214.00	6096092.00	0.9	1.27	145	6973	1	27	6	1593	0.15	236	22.6	1.2	5	0.20	10.22	4.39
BST-174	384167.44	6096184.50	0.9	1.17	242	7718	1	68	6	1690	0.19	264	21.1	4.0	6	0.20	10.55	5.16
BST-175	388265.75	6102950.00	0.8	1.76	195	9434	1	50	10	2251	0.17	190	15.9	3.7	7	0.23	11.26	6.32
BST-177	386911.66	6102253.00	0.8	1.46	173	8635	1	30	8	1728	0.17	224	18.4	1.5	7	0.20	10.72	5.84
BST-179-1 Field Duplicate	382763.03	6098971.50	0.9	1.08	206	7241	1	21	6	2268	0.18	228	20.4	1.2	6	0.23	10.55	4.81
BST-179-2 Field Duplicate	382763.03	6098971.50	1.5	1.23	176	7455	1	21	9	1710	0.23	212	20.2	1.1	6	0.28	10.54	4.52
BST-180	383572.19	6099390.00	2.1	1.49	204	12450	1	68	8	2619	0.26	176	19.8	1.4	7	0.29	10.12	4.35
BST-181	380550.09	6095880.00	0.9	2.07	197	12070	1	97	16	2172	0.32	242	19.1	1.8	8	0.38	9.70	5.31
BST-182	385706.34	6102721.00	0.8	1.32	185	8226	1	45	5	1669	0.18	292	22.1	1.8	6	0.24	9.24	4.02
BST-201	376329.06	6099848.50	1.1	1.33	163	11680	1	51	8	2181	0.20	121	23.7	1.3	7	0.28	7.07	5.13
BST-202	377827.09	6101405.50	2.1	1.31	292	8992	1	34	10	2626	0.22	144	27.9	1.4	6	0.28	8.01	4.19
BST-203a Analytical Duplicate	377759.09	6103205.50	1.8	1.13	221	8174	1	50	9	3011	0.21	179	29.1	1.8	6	0.28	7.30	3.67
BST-203b Analytical Duplicate	377759.09	6103205.50	1.5	1.08	210	7743	1	46	6	2905	0.20	205	27.1	1.8	6	0.26	7.16	3.44
BST-204	379288.84	6099045.50	1.3	1.85	128	7735	1	45	10	2131	0.29	106	27.4	1.8	7	0.35	6.67	3.25
BST-205	377938.81	6100685.00	1.1	1.66	165	4509	1	34	15	1826	0.29	100	24.9	1.5	6	0.35	7.41	4.57
BST-206	376715.94	6102116.00	1.1	2.09	161	9030	1	59	14	2563	0.24	246	23.4	1.8	7	0.29	7.53	5.42
BST-207	383212.94	6102354.00	1.1	1.28	314	8978	1	83	5	1854	0.19	119	21.3	6.1	7	0.22	9.26	4.96
BST-208	379651.16	6102676.50	1.3	1.56	211	9904	1	99	10	2315	0.32	124	22.7	1.4	7	0.31	8.28	6.14
BST-209	377791.78	6097599.50	0.8	1.57	180	7085	1	23	12	2197	0.27	183	22.7	0.5	7	0.34	8.95	5.67
BST-210	378771.63	6097898.50	1.0	1.58	191	7529	1	89	7	1994	0.28	202	25.8	4.2	7	0.27	7.59	5.75
BST-211	386750.13	6103960.50	1.1	1.70	210	11930	1	59	10	1776	0.25	192	18.9	2.0	8	0.28	11.62	6.04
BST-212	383294.22	6105784.50	1.5	1.23	151	10400	1	43	5	2182	0.16	118	24.5	1.4	6	0.22	8.61	4.97
BST-213	381556.81	6105384.50	0.8	1.66	139	8215	1	41	14	1807	0.24	141	24.5	1.4	7	0.31	7.30	5.93
BST-214	380459.88	6105602.00	0.6	1.90	214	9090	1	61	14	2407	0.18	122	18.0	2.2	7	0.26	7.74	6.01
BST-215a Analytical Duplicate	377864.75	6104760.00	0.6	1.45	146	6009	1	47	8	1637	0.16	182	22.1	1.8	5	0.21	7.08	4.45
BST-215b Analytical Duplicate	377864.75	6104760.00	0.6	1.34	147	6302	1	47	6	1656	0.14	134	22.9	1.5	5	0.19	7.46	4.64
BST-216	383573.22	6109146.50	0.8	1.66	146	10030	1	70	11	1811	0.18	142	24.6	1.9	6	0.24	5.87	4.48
BST-217	390236.81	6110548.50	0.6	8.44	184	8446	1	47	11	1583	0.15	120	21.1	1.2	8	0.23	7.57	5.84
BST-218-1 Field Duplicate	389764.00	6111144.00	1.1	1.15	310	8601	1	42	6	2213	0.14	233	26.4	2.0	6	0.20	7.56	4.05
BST-218-2 Field Duplicate	389764.00	6111144.00	1.2	1.03	315	8669	1	44	4	2241	0.14	215	27.2	1.4	6	0.20	7.65	4.09
BST-218-b Analytical Duplicate	389764.00	6111144.00	1.6	1.69	273	12420	1	59	15	2583	0.25	130	24.0	2.2	8	0.34	8.56	5.47
BST-219	390098.19	6111950.00	1.0	1.44	139	10870	1	57	5	1903	0.17	196	25.7	1.4	6	0.22	8.85	4.50
BST-220	381027.66	6110614.00	1.0	1.53	256	7717	1	71	6	1165	0.19	93	21.4	4.6	7	0.24	9.62	5.96
BST-221	377695.31	6108412.50	0.6	1.70	174	8109	1	69	10	2406	0.19	154	20.2	2.0	6	0.26	8.13	5.68
BST-222	379349.53	6108925.00	0.5	1.66	187	10300	1	71	9	1763	0.24	161	17.8	2.8	7	0.30	8.95	5.85
BST-223	381125.06	6107999.50	0.8	1.88	210	10380	1	45	8	2059	0.16	271	24.1	1.4	6	0.23	6.92	4.62
BST-224	379795.09	6110312.00	1.1	1.32	232	12580	1	69	4	1839	0.25	197	22.0	4.1	7	0.20	8.42	4.85
BST-225	379465.34	6111668.50	0.7	1.72	197	7346	1	47	9	2257	0.23	243	20.5	1.7	7	0.32	9.15	5.71
BST-226	385778.38	6102867.50	0.8	1.24	127	6905	1	25	8	1918	0.18	296	27.7	1.1	5	0.25	5.81	3.57
BST-227	389816.63	6100772.00	1.0	1.98	231	10020	1	65	14	2208	0.26	200	20.6	3.4	7	0.28	7.75	5.47
BST-228a Analytical Duplicate	386397.94	6109043.50	1.1	1.33	180	8503	1	23	11	1787	0.26	246	24.4	1.5	7	0.32	6.28	5.26
BST-228b Analytical Duplicate	386397.94	6109043.50	1.0	1.60	192	9503	1	25	15	1943	0.29	214	27.2	1.9	8	0.35	6.80	5.72
BST-229	384070.59	6107122.50	0.9	1.70	226	8142	1	48	6	2300	0.23	235	20.9	1.9	7	0.31	7.07	5.20

Sample Site	UTM		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	Ba	Ca	Co	Cr	Fe	K	Mg
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	%	%
BST-230	383904.16	6112613.50	1.0	2.02	194	8888	1	65	11	1798	0.29	292	21.9	2.2	7	0.35	7.83	4.91
BST-231-1 Field Duplicate	382258.53	6113338.50	0.9	1.27	142	7022	1	25	4	3017	0.21	173	25.6	1.5	5	0.27	6.50	3.79
BST-231-2 Field Duplicate	382258.53	6113338.50	0.8	1.78	145	6543	1	31	15	2639	0.29	250	23.0	1.4	7	0.37	7.61	4.35
BST-232	390562.03	6109659.00	1.3	1.32	202	6916	1	25	8	1678	0.16	231	24.4	1.4	6	0.22	7.70	4.34
BST-233	392016.75	6110904.50	0.9	1.56	197	8907	1	63	14	2307	0.19	168	23.8	1.7	6	0.28	8.87	4.27
BST-234	392301.84	6112182.50	1.1	1.84	212	7855	1	48	16	2375	0.25	223	22.4	1.7	6	0.33	7.74	4.44
BST-235	386428.03	6112778.00	1.4	1.25	185	9078	1	35	8	1902	0.12	213	25.7	1.4	5	0.17	6.98	4.21
BST-236a Analytical Duplicate	381154.03	6111993.00	1.3	1.50	159	9248	1	22	6	1952	0.23	324	25.3	1.7	6	0.29	6.49	3.77
BST-236b Analytical Duplicate	381154.03	6111993.00	1.1	1.33	171	9960	1	22	4	2060	0.23	333	27.1	1.9	6	0.29	7.09	4.10
BST-237	379199.69	6112599.50	1.1	2.53	271	7333	1	54	5	1803	0.11	106	26.2	3.7	6	0.16	5.40	5.36
BST-238	386874.16	6116827.00	0.9	1.74	175	10930	1	34	11	1753	0.22	185	22.4	1.7	7	0.30	6.79	5.63
BST-239	386481.22	6119657.00	1.0	1.95	154	9255	1	46	13	2695	0.25	220	21.9	1.9	7	0.33	8.24	4.77
BST-240	385161.59	6118841.50	1.0	2.14	178	6959	1	53	14	2042	0.25	194	23.4	1.9	7	0.39	7.42	5.16
BST-241	382370.50	6117084.50	1.0	1.30	166	8355	1	25	5	1936	0.20	217	25.4	1.7	6	0.27	7.44	4.27
BST-242	381725.97	6118149.50	0.6	3.13	174	7028	1	90	37	2987	0.48	205	21.9	3.1	9	0.66	6.76	4.01
BST-243	383723.41	6118533.50	0.3	1.82	186	20760	1	69	8	1939	0.17	227	21.6	2.0	7	0.22	7.64	6.28
BST-244	389263.66	6117914.50	0.8	1.25	246	8756	1	43	13	1577	0.17	207	19.6	2.2	7	0.22	10.65	4.75
BST-245	390752.63	6118711.00	0.9	2.14	197	10780	1	113	16	1738	0.31	188	21.5	3.1	8	0.35	8.54	5.19
BST-246a Analytical Duplicate	389829.19	6119804.50	0.5	1.31	113	6236	1	21	8	1780	0.16	215	22.9	0.5	5	0.21	8.18	4.62
BST-246b Analytical Duplicate	389829.19	6119804.50	0.5	1.37	113	6107	1	22	9	1832	0.19	209	23.3	1.1	5	0.23	8.02	4.28
BST-247	387542.09	6120739.50	1.0	1.30	170	10470	1	34	6	1879	0.18	180	24.5	1.7	7	0.24	6.21	3.71
BST-248	387894.78	6122519.00	0.9	1.75	144	9585	1	49	11	2350	0.22	192	24.1	1.7	7	0.27	6.92	4.20
BST-249	386461.28	6122755.00	1.0	1.19	142	6376	1	36	5	1473	0.27	191	28.7	1.6	6	0.32	5.10	4.40
BST-250-1 Field Duplicate	392449.16	6112208.50	0.8	1.35	174	7358	1	32	11	2521	0.17	190	23.0	1.4	6	0.25	7.48	4.31
BST-250-2 Field Duplicate	392449.16	6112208.50	1.4	1.39	242	7866	1	36	6	1930	0.14	210	26.9	1.6	6	0.23	6.89	4.76
BST-250a Analytical Duplicate (of 250-2)	392449.16	6112208.50	1.3	1.14	237	7767	1	37	4	1897	0.14	246	25.7	1.3	5	0.22	6.80	4.70
BST-251	391802.69	6111173.00	0.9	1.95	220	10480	1	74	10	1298	0.15	197	21.9	2.4	6	0.17	6.19	8.34
BST-252	390174.03	6112731.00	1.2	1.56	165	10670	1	24	10	2398	0.22	155	24.8	1.4	6	0.29	7.25	5.15
BST-253	395615.16	6113826.50	1.2	1.42	178	6604	1	51	6	1829	0.16	250	23.6	1.5	5	0.23	8.26	5.01
BST-254	396711.59	6114399.00	1.3	1.47	210	10040	1	34	6	1817	0.15	253	25.3	1.3	5	0.22	7.83	3.98
BST-255	398099.66	6117886.50	1.3	1.43	147	10540	1	30	6	1812	0.25	189	23.1	1.5	7	0.33	6.97	4.97
BST-256	403018.75	6120422.00	1.2	1.60	203	9844	1	37	12	2150	0.21	296	25.4	1.6	6	0.27	7.27	4.00
BST-257	403015.22	6118430.00	0.1	2.01	49189	9814	1	29	1	1611	0.10	291	27.6	1.6	4	0.14	7.96	2.68
BST-258	401426.78	6118891.00	1.1	1.47	165	9140	1	31	9	1897	0.28	189	25.0	1.9	7	0.37	5.80	4.20
BST-259	394433.78	6120179.50	0.5	1.96	154	22330	1	82	13	2460	0.37	219	23.2	1.9	9	0.45	6.97	4.86
BST-260	392810.16	6120480.50	1.3	1.35	196	8071	1	27	9	1984	0.20	232	26.7	1.4	6	0.26	6.55	4.55
BST-261	395856.13	6121526.00	1.4	1.24	270	12209	1	58	5	2416	0.14	164	24.2	2.2	6	0.21	8.32	4.93
BST-262a Analytical Duplicate	382201.84	6113313.00	1.6	1.90	177	7527	3	32	11	1980	0.39	238	29.3	2.4	8	0.48	6.54	4.35
BST-262b Analytical Duplicate	382201.84	6113313.00	1.4	1.68	181	7769	4	31	12	1961	0.35	211	28.5	2.0	8	0.44	6.81	4.27
BST-263	382691.75	6113932.00	1.5	1.49	226	8789	1	72	12	2236	0.29	234	25.9	2.9	7	0.29	8.62	4.66
BST-264	380485.66	6115711.50	1.8	1.15	188	8787	1	24	1	1925	0.18	298	28.6	1.3	6	0.22	7.54	4.44
BST-265-1 Field Duplicate	379871.44	6116760.00	1.3	1.42	226	11975	1	97	4	2039	0.14	273	23.7	1.9	6	0.21	9.06	5.78
BST-265-2 Field Duplicate	379871.44	6116760.00	1.1	1.79	160	22957	1	85	5	3058	0.21	202	26.7	1.9	8	0.30	8.08	4.32
BST-266	381433.31	6117001.50	1.5	1.23	179	7737	2	33	7	1749	0.20	260	28.5	1.7	6	0.25	5.94	4.40
BST-267	375915.06	6116255.00	1.5	2.27	195	6482	1	68	21	2703	0.35	211	27.1	2.9	7	0.43	5.91	3.17
BST-268	378764.00	6115647.00	1.2	1.06	161	7422	1	39	3	1882	0.14	133	23.1	1.6	5	0.19	7.64	4.53
BST-269	375817.69	6117177.00	1.2	1.30	115	4846	2	30	10	1739	0.16	134	26.9	1.8	5	0.23	7.10	4.74
BST-270a Analytical Duplicate	375674.28	6118785.50	1.2	1.06	134	7008	1	31	10	1668	0.22	328	26.4	2.2	6	0.27	8.33	3.92
BST-270b Analytical Duplicate	375674.28	6118785.50	1.2	1.08	136	7064	2	31	7	1679	0.22	359	26.4	1.4	6	0.28	8.38	4.01
BST-271	372623.97	6120092.00	1.4	1.78	178	10008	1	60	14	2752	0.29	268	25.6	2.0	7	0.35	7.45	5.08
BST-272	381917.66	6115401.50	1.4	1.58	163	6771	2	36	13	2740	0.31	196	28.3	2.2	7	0.37	7.00	3.86
BST-273	379539.09	6113473.00	1.2	1.25	199	6531	1	51	9	1877	0.18	310	24.5	1.8	6	0.23	8.26	4.46
BST-274	378643.41	6113610.00	1.4	0.87	95	4775	2	19	9	1584	0.21	200	29.3	1.1	5	0.24	7.27	2.81
BST-275	376090.72	6109961.00	1.6	1.85	145	7038	3	27	13	2272	0.36	205	26.1	2.3	8	0.42	7.02	4.06

Sample Site	UTM		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	Ba	Ca	Co	Cr	Fe	K	Mg
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	%	%
BST-276	376198.66	6110938.00	1.4	0.91	187	12578	1	51	4	1388	0.22	183	26.1	2.2	6	0.19	6.62	5.12
BST-277	376521.69	6112449.50	0.8	1.39	154	6423	1	32	20	1716	0.23	199	21.6	1.5	8	0.28	9.08	4.40
BST-278a Analytical Duplicate	375920.22	6119958.50	1.4	1.29	177	6656	1	51	6	1067	0.15	235	25.3	2.8	5	0.21	8.16	3.95
BST-278b Analytical Duplicate	375920.22	6119958.50	1.3	1.24	183	7045	2	52	4	1103	0.14	211	25.7	3.0	5	0.20	8.64	3.86
BST-279	380540.75	6121179.00	1.3	1.30	354	8924	1	78	5	1783	0.12	173	18.2	3.8	5	0.18	10.21	4.54
BST-280	377783.25	6117499.50	1.2	1.18	129	7767	1	33	13	2301	0.29	226	26.1	1.6	7	0.35	6.82	3.68
BST-281-1 Field Duplicate	375405.56	6111977.50	1.4	1.04	127	7675	1	35	5	1951	0.18	335	31.4	1.3	5	0.22	6.38	3.12
BST-281-2 Field Duplicate	375405.56	6111977.50	1.3	1.37	164	7313	1	31	14	2618	0.30	389	27.5	1.9	7	0.35	7.82	3.85
BST-282	374344.63	6110827.50	1.0	1.29	116	8297	1	31	9	2352	0.27	218	28.9	1.7	7	0.33	6.65	3.64
BST-283	372750.41	6110253.50	1.1	1.21	156	11009	2	24	9	1852	0.16	209	27.2	1.6	6	0.20	6.92	5.74
BST-284	371076.44	6112518.50	1.1	1.18	119	8967	1	43	1	1704	0.17	397	28.9	2.2	6	0.21	6.19	5.16
BST-285	373327.72	6114288.50	1.3	1.09	138	9618	1	27	7	2457	0.16	263	27.8	1.2	5	0.20	7.94	3.33
BST-286	371991.28	6112810.50	0.7	1.12	180	8022	2	40	8	1821	0.17	195	23.2	2.1	6	0.24	9.98	4.59
BST-287	377537.22	6113875.00	0.8	1.69	164	4581	1	30	6	1525	0.13	275	22.7	1.9	4	0.18	9.41	3.87
BST-288	377012.94	6113260.00	1.3	1.46	136	12812	1	28	13	2172	0.27	255	25.0	1.5	7	0.32	7.34	4.46
BST-289	377610.78	6110969.00	1.1	1.38	141	6512	2	39	10	1376	0.21	228	25.9	1.7	6	0.25	8.23	4.27
BST-290	382417.03	6114793.00	0.8	1.60	153	7467	1	33	9	1768	0.23	344	24.2	1.4	6	0.28	8.17	3.73
BST-291	383696.41	6115010.50	0.9	1.14	124	6350	1	24	10	1893	0.19	267	24.9	1.3	6	0.24	6.99	5.09
BST-292	385936.47	6116781.00	1.0	1.97	233	7162	1	50	14	2406	0.25	202	20.9	1.6	7	0.33	7.39	6.47
BST-293	385024.91	6115886.00	0.8	1.70	130	25129	1	77	9	2238	0.29	212	22.6	1.4	9	0.35	8.47	4.94
BST-294	388431.34	6117653.00	0.9	1.26	136	6823	1	36	10	2445	0.15	414	24.8	1.1	5	0.20	9.08	4.97
BST-295	390772.88	6115942.50	1.1	1.92	268	6076	1	50	13	1477	0.31	232	24.3	2.7	8	0.33	6.79	5.66
BST-296a Analytical Duplicate	388906.22	6116341.50	1.1	2.13	133	10500	1	46	22	2416	0.34	260	26.5	1.9	8	0.42	7.39	2.75
BST-296b Analytical Duplicate	388906.22	6116341.50	1.1	1.95	132	10359	2	48	19	2369	0.34	307	26.2	2.4	8	0.42	7.56	2.69
BST-297	392777.22	6119550.50	1.1	1.47	198	6766	1	47	12	2548	0.21	194	24.5	1.4	6	0.29	7.93	5.36
BST-298	386844.25	6118304.50	0.9	1.03	159	5935	1	30	9	1713	0.18	248	22.0	1.7	6	0.22	10.19	4.64
BST-299	389554.72	6118795.50	0.6	2.89	144	23252	3	88	31	2275	0.53	168	24.8	2.8	11	0.62	6.88	3.73
BST-300	397789.06	6120371.50	1.2	1.20	181	9647	1	40	9	1585	0.16	193	22.7	2.3	6	0.19	9.16	5.26
BST-301	397379.28	6115475.50	1.1	1.38	191	5889	1	48	9	1404	0.16	190	24.8	1.7	5	0.22	7.38	4.28
BST-302	398199.97	6115605.50	0.8	1.33	122	8653	1	43	9	1627	0.12	247	22.1	1.5	5	0.17	10.05	5.12
BST-303	399031.28	6117196.50	1.2	2.62	147	11404	1	76	24	2134	0.38	184	24.5	2.6	8	0.51	6.34	4.01
BST-304	399059.47	6121780.00	1.1	1.05	153	6122	2	21	8	1821	0.17	216	26.5	1.2	5	0.24	7.95	4.18
BST-305a Analytical Duplicate	394394.06	6121113.00	1.4	1.08	163	8859	1	32	9	2518	0.17	196	24.0	1.5	6	0.24	8.78	4.96
BST-305b Analytical Duplicate	394394.06	6121113.00	1.3	1.16	169	9055	1	33	10	2579	0.18	217	23.7	1.3	6	0.24	8.94	5.11
BST-306	395742.28	6120763.00	1.1	1.15	147	8815	1	32	9	2173	0.20	242	22.7	1.7	6	0.27	9.20	4.53
BST-307	401533.19	6115214.50	0.7	0.72	118	9436	1	20	4	1323	0.14	199	24.5	1.7	5	0.18	8.32	4.41
BST-308	388801.19	6121654.50	1.8	1.94	171	9613	2	57	18	1799	0.33	108	28.0	2.4	7	0.41	6.28	3.16
BST-309	391428.59	6122577.50	0.9	1.63	131	9181	1	40	9	2059	0.23	179	24.4	2.0	7	0.30	8.60	4.41
BST-310-1 Field Duplicate	386862.44	6121457.50	1.0	2.46	187	8873	1	45	22	2486	0.37	277	20.7	2.3	8	0.45	9.34	5.58
BST-310-2 Field Duplicate	386862.44	6121457.50	0.9	1.34	171	6623	1	33	9	1362	0.18	330	23.6	2.4	5	0.22	9.71	4.31
BST-311a Analytical Duplicate	398860.28	6124033.50	1.3	1.48	214	5344	2	41	7	1628	0.18	260	23.1	1.9	6	0.24	10.93	4.38
BST-311b Analytical Duplicate	398860.28	6124033.50	1.2	1.36	206	5183	1	35	4	1527	0.15	251	22.3	1.4	5	0.21	10.01	4.42
BST-312	401764.13	6124868.00	0.7	0.94	177	6922	1	25	10	2237	0.15	237	20.9	0.5	5	0.22	9.99	4.74
BST-313	401949.66	6123755.50	1.0	1.48	133	7183	1	32	19	2171	0.31	113	22.4	1.9	7	0.40	7.29	4.03
BST-314	395694.91	6113040.00	1.0	1.44	138	13510	3	45	16	3481	0.24	93	25.0	1.7	7	0.33	5.08	3.77
BST-315	394579.59	6115052.50	0.9	1.24	185	8238	2	36	8	1792	0.16	154	23.2	1.7	5	0.21	10.89	3.32
BST-316	393563.53	6115607.50	1.1	1.62	135	12875	1	46	10	2519	0.19	261	23.3	1.7	6	0.23	8.86	4.82
BST-317	395119.63	6116693.00	0.8	1.61	136	6165	1	42	16	2172	0.22	139	26.1	1.7	5	0.30	7.58	3.30
BST-318	392868.47	6115944.50	0.7	2.45	70	8924	2	58	22	3024	0.30	98	24.1	3.3	7	0.41	7.80	3.70
BST-319	392888.03	6114085.00	0.8	1.60	121	21961	1	46	9	2854	0.25	103	23.3	1.6	7	0.30	8.07	4.01
BST-320	393461.94	6117975.00	0.9	3.14	216	7029	1	79	22	2993	0.37	227	22.1	2.3	8	0.50	8.05	5.09
BST-321	395662.72	6119171.50	0.8	1.41	146	9489	2	37	10	1642	0.18	174	24.0	2.2	6	0.23	8.56	4.94
BST-322	396552.13	6116783.50	0.5	2.49	164	27451	1	90	14	2681	0.26	120	19.9	2.1	9	0.35	7.06	7.57
BST-323	398822.63	6118983.50	0.9	1.67	139	6362	1	65	16	1880	0.22	147	28.1	1.7	5	0.29	8.63	3.46

Sample Site	UTM		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	Ba	Ca	Co	Cr	Fe	K	Mg
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	%	%
BST-324	405468.59	6118863.50	1.1	2.22	198	11090	1	58	21	3189	0.38	218	25.2	2.6	8	0.47	7.07	3.91
BST-325	402728.47	6116397.00	0.8	1.36	150	5967	1	26	9	1953	0.17	135	26.5	1.4	5	0.23	7.88	3.33
BST-326	403152.28	6115757.50	0.5	1.06	104	7069	3	43	7	1420	0.26	228	23.5	2.9	7	0.28	10.07	3.63
BST-327	401644.22	6117724.00	0.8	1.20	171	11941	1	76	8	2292	0.15	260	24.8	1.4	6	0.18	8.74	5.56
BST-328	399453.69	6113119.50	1.0	1.39	171	12025	1	59	9	2585	0.25	185	23.2	2.1	7	0.30	8.71	5.49
BST-329-1 Field Duplicate	399739.69	6116073.00	0.8	1.27	165	9280	1	33	11	2398	0.20	190	22.1	1.9	6	0.26	9.33	3.86
BST-329-2 Field Duplicate	399739.69	6116073.00	0.8	1.61	163	7696	2	33	11	1677	0.17	158	24.5	1.4	6	0.23	8.64	4.96
BST-330	400493.94	6121466.50	1.2	1.49	208	9356	3	27	9	2043	0.20	286	20.8	1.5	7	0.24	12.33	5.74
BST-331	397631.47	6122161.50	0.9	1.61	157	7995	3	44	11	2026	0.20	170	24.8	1.5	7	0.25	8.35	5.60
BST-332a Analytical Duplicate	388402.53	6110279.50	1.4	1.33	254	10823	1	107	3	1680	0.22	231	21.5	3.1	6	0.19	10.30	5.19
BST-332b Analytical Duplicate	388402.53	6110279.50	1.2	1.26	235	10155	1	99	6	1555	0.21	186	19.2	2.4	6	0.19	9.73	4.86
BST-333	388990.78	6111278.50	0.9	0.96	163	7944	1	41	9	2080	0.16	176	23.3	1.8	5	0.23	9.29	3.90
BST-334	388337.50	6112415.00	1.0	1.74	196	10614	1	59	10	2699	0.28	207	23.4	2.2	7	0.34	8.82	4.24
BST-335	387047.66	6109799.50	0.7	1.14	143	8246	2	25	9	2031	0.21	185	24.8	1.2	6	0.27	9.12	4.43
BST-336a Analytical Duplicate	386319.13	6111064.50	0.9	2.36	200	11541	2	65	21	2576	0.32	286	20.6	2.2	8	0.42	9.07	5.35
BST-336b Analytical Duplicate	386319.13	6111064.50	0.6	2.46	201	12132	1	67	20	2637	0.34	311	21.1	2.8	9	0.44	9.44	5.55
BST-337	382498.38	6109258.00	0.8	0.82	150	7098	2	21	11	1403	0.11	255	22.9	1.1	5	0.15	9.67	4.46
BST-338	380640.72	6106839.00	0.7	1.65	174	9382	2	36	15	1895	0.27	134	21.1	1.1	7	0.36	9.06	5.82
BST-339	384452.22	6121046.00	0.8	1.33	106	9147	2	26	8	2034	0.18	235	25.1	0.5	6	0.23	8.97	3.93
BST-340	378880.78	6116494.50	0.9	0.91	114	9503	2	51	6	2102	0.15	124	22.9	1.2	5	0.21	11.14	4.07
BST-341	378317.00	6120022.00	0.7	1.37	107	10223	2	34	8	1811	0.17	218	22.3	1.5	6	0.23	10.45	4.47
BST-342	380948.22	6114359.50	1.1	1.88	144	10811	1	73	15	2311	0.30	172	25.8	2.3	7	0.38	7.73	3.64
BST-343a Analytical Duplicate	374800.81	6116438.50	0.4	1.33	139	5441	1	25	6	1314	0.14	310	19.7	1.2	5	0.17	11.53	4.69
BST-343b Analytical Duplicate	374800.81	6116438.50	0.6	1.58	138	5457	1	24	8	1313	0.13	330	20.1	1.0	5	0.16	11.01	4.77
BST-344	374923.78	6117839.50	0.6	0.89	141	7186	1	36	3	1280	0.16	224	18.5	1.1	6	0.21	11.21	4.07
BST-345-1 Field Duplicate	373345.66	6119686.50	0.9	1.11	191	9466	2	45	6	1547	0.13	265	22.0	2.1	5	0.17	9.04	4.25
BST-345-2 Field Duplicate	373345.66	6119686.50	0.7	1.07	225	7355	1	38	1	1596	0.06	205	21.4	0.5	4	0.10	10.94	4.67
BST-345b Analytical Duplicate (of 345-2)	373345.66	6119686.50	0.8	0.89	232	7440	1	40	1	1644	0.06	198	21.8	0.5	4	0.10	10.68	4.76
BST-346	370761.88	6118036.00	1.0	1.37	125	10635	1	79	10	1929	0.14	186	19.2	1.1	6	0.20	11.73	5.26
BST-347	372443.16	6117141.00	1.2	1.17	136	10960	1	67	11	2119	0.21	208	21.7	1.6	6	0.26	12.15	2.92
BST-348	370122.25	6116112.50	0.8	2.11	162	24097	1	109	11	2521	0.24	134	21.3	3.0	8	0.31	9.75	4.62
BST-349	371728.59	6114122.50	0.9	1.31	132	7163	1	36	10	2583	0.19	201	23.5	2.1	6	0.25	9.75	4.66
BST-350	402081.97	6122364.50	0.7	1.07	140	7754	3	48	12	1429	0.20	202	22.1	1.9	6	0.22	9.95	4.00
BST-351	396866.97	6123412.50	0.6	1.61	155	6842	1	59	13	2044	0.38	275	21.8	2.5	8	0.34	7.70	5.01
BST-352	394480.94	6124486.00	1.0	1.10	141	6522	1	44	12	1781	0.16	212	21.6	1.2	5	0.21	9.46	3.97
BST-353	396067.84	6125747.00	1.0	1.12	165	6193	1	22	11	2112	0.23	296	23.5	1.6	6	0.30	10.32	3.62
BST-354	392236.41	6123705.50	0.7	1.43	159	10715	1	38	12	1963	0.14	168	21.1	1.1	6	0.18	10.83	5.93
BST-355	393649.88	6123363.00	0.8	1.18	145	7618	1	27	10	1838	0.15	274	22.7	0.5	5	0.20	10.29	4.65
BST-356a Analytical Duplicate	378960.09	6100575.00	0.7	1.39	153	7284	1	41	15	2020	0.22	277	18.4	1.1	6	0.28	11.38	3.85
BST-356b Analytical Duplicate	378960.09	6100575.00	0.7	1.18	149	7534	1	38	10	2016	0.19	207	18.4	1.3	6	0.24	11.17	4.39
BST-357a Analytical Duplicate	382146.16	6101546.50	0.6	1.17	160	11160	1	44	10	2085	0.16	111	20.4	1.5	6	0.21	10.75	5.49
BST-357b Analytical Duplicate	382146.16	6101546.50	0.5	1.40	154	11154	1	44	11	2063	0.16	130	20.1	1.9	6	0.20	10.42	5.45
BST-358	384700.47	6100007.50	1.2	1.46	195	3807	1	23	13	2343	0.17	230	21.6	0.5	5	0.23	10.10	4.56
BST-359	377622.44	6094664.00	0.8	0.77	154	9175	2	18	8	2229	0.10	225	20.3	0.5	6	0.15	12.05	3.87
BST-360	377658.47	6095328.00	0.7	1.10	166	6866	1	28	7	2861	0.14	178	20.5	1.6	6	0.20	10.26	5.10
BST-361	376265.22	6096775.50	0.8	1.14	147	5894	2	36	18	1358	0.26	148	24.1	1.8	6	0.33	8.29	2.42
BST-362	380254.41	6098643.00	0.4	0.65	170	6046	1	61	5	1155	0.10	98	15.6	3.5	5	0.09	11.89	5.05
BST-363	381867.97	6099542.00	0.7	1.17	107	6434	3	20	7	2033	0.17	179	26.9	1.2	5	0.22	7.59	4.17
BST-364	382689.63	6104796.00	0.7	1.37	139	8475	1	39	9	2040	0.17	194	25.4	1.9	5	0.24	7.96	3.94
BST-365	376956.47	6105531.50	0.9	1.03	161	3891	1	32	12	1720	0.21	164	25.0	1.4	6	0.26	10.61	3.75
BST-366	376100.69	6107566.50	0.6	1.45	133	5355	1	71	16	2870	0.24	157	22.9	2.2	7	0.28	10.49	5.83
BST-367	378498.88	6109643.00	1.2	1.03	222	7635	3	41	9	2333	0.25	170	22.0	1.8	7	0.30	11.56	4.02
BST-368	375676.59	6109114.50	0.7	1.32	144	5947	1	65	10	2029	0.20	165	23.5	1.9	6	0.22	10.21	5.33

Sample Site	Na %	P %	Sn ppm	Sr ppm	V ppm	S %
BST-1	0.06	3.10	40	314	2	0.86
BST-2	0.06	5.52	30	269	3	0.85
BST-3	0.08	5.43	17	556	3	1.03
BST-4	0.07	3.68	37	245	3	0.58
BST-5	0.09	3.94	20	634	3	2.40
BST-6	0.13	2.75	33	1279	6	0.57
BST-7	0.09	2.42	32	462	5	0.69
BST-8a Analytical Duplicate	0.12	3.32	29	335	3	0.60
BST-8b Analytical Duplicate	0.11	3.28	21	324	3	0.64
BST-10	0.07	5.35	28	478	3	2.49
BST-12	0.08	3.88	34	377	3	2.57
BST-13	0.09	2.53	36	379	6	2.09
BST-14	0.08	4.21	27	685	4	0.91
BST-15	0.10	4.30	20	285	3	2.59
BST-16-1 Field Duplicate	0.10	4.13	34	781	4	0.89
BST-16-2 Field Duplicate	0.13	3.77	36	472	6	1.11
BST-17	0.09	2.08	41	695	6	0.54
BST-18	0.13	3.43	26	179	6	0.59
BST-24	0.14	2.92	24	415	7	1.23
BST-25	0.06	3.06	33	566	3	1.78
BST-28	0.09	2.63	38	277	4	2.90
BST-29	0.09	2.30	37	354	5	2.14
BST-30a Analytical Duplicate	0.23	4.44	26	280	6	1.29
BST-30b Analytical Duplicate	0.26	4.75	27	291	6	1.19
BST-31	0.11	4.11	22	530	4	0.83
BST-33	0.08	4.28	29	171	4	0.90
BST-34	0.08	3.11	30	381	5	0.71
BST-35-1 Field Duplicate	0.11	2.95	29	448	6	0.67
BST-35-2 Field Duplicate	0.11	2.19	37	649	4	1.05
BST-37	0.11	2.59	36	287	8	2.01
BST-38	0.17	3.18	35	877	9	1.78
BST-39	0.12	2.74	21	556	7	2.03
BST-40	0.09	2.45	40	451	5	1.33
BST-41	0.06	2.83	40	470	4	0.99
BST-42	0.10	2.17	33	406	7	1.92
BST-43	0.13	2.41	32	745	9	1.31
BST-44	0.09	2.63	30	275	7	0.81
BST-45	0.08	2.35	36	178	4	2.31
BST-46	0.14	2.41	30	266	7	1 27
BST-47	0.06	2.16	33	432	4	1.61
BST-48	0.07	2.56	31	757	4	1.84
BST-49	0.09	2.11	34	472	4	1.20
BST-50a Analytical Duplicate	0.09	3.11	40	375	5	1.25
BST-50b Analytical Duplicate	0.09	2.90	36	361	6	1.00
BST-51	0.09	2.57	34	568	7	1.35
BST-52	0.11	3.08	31	485	6	1.10
BST-53-1 Field Duplicate	0.08	2.12	34	277	4	0.81
BST-53-2 Field Duplicate	0.15	2.43	34	451	8	0.93

Sample Site	Na %	P %	Sn ppm	Sr ppm	V ppm	S %
BST-54	0.07	2.36	33	445	5	1.05
BST-55	0.08	3.18	32	291	4	0.89
BST-56	0.08	2.30	27	241	5	1.79
BST-57	0.17	2.08	34	441	6	1.51
BST-58	0.10	3.32	28	243	2	2.13
BST-59	0.11	3.48	28	278	7	1.48
BST-60	0.07	3.39	24	500	3	1.42
BST-61	0.10	2.01	39	305	5	0.98
BST-62	0.07	3.12	39	525	4	1.65
BST-63	0.12	3.60	38	586	6	0.79
BST-64a Analytical Duplicate	0.09	2.81	47	219	6	0.73
BST-64b Analytical Duplicate	0.08	2.71	39	202	5	0.82
BST-65	0.09	2.58	32	190	6	0.67
BST-66	0.07	2.31	46	472	5	0.72
BST-67	0.07	3.13	33	276	2	0.81
BST-68	0.15	3.90	40	459	8	0.96
BST-69-1 Field Duplicate	0.09	2.21	43	317	5	1.05
BST-69-2 Field Duplicate	0.11	2.17	46	528	5	1.44
BST-70	0.10	3.98	35	750	4	2.05
BST-71	0.13	3.18	37	551	5	1.08
BST-72	0.07	2.77	43	453	5	0.75
BST-73	0.21	1.80	44	631	14	0.89
BST-74	0.11	2.64	34	289	7	0.77
BST-75	0.11	2.51	50	525	6	1.02
BST-76-1 Field Duplicate	0.11	2.82	39	450	6	1.12
BST-76-2 Field Duplicate	0.08	2.58	38	523	6	1.53
BST-77a Analytical Duplicate	0.17	2.78	42	520	5	1.32
BST-77b Analytical Duplicate	0.19	2.88	42	517	5	1.62
BST-78	0.08	2.85	21	145	3	1.41
BST-79	0.09	3.40	39	546	5	1.36
BST-80	0.16	2.61	46	581	6	0.98
BST-81	0.13	2.90	32	414	6	1.32
BST-82	0.10	2.84	33	421	7	1.75
BST-83	0.18	2.62	53	554	10	1.60
BST-84	0.10	3.03	41	486	8	1.37
BST-85	0.11	2.75	34	562	7	1.26
BST-86	0.08	3.14	35	375	6	1.02
BST-87	0.13	2.04	52	577	7	1.09
BST-88	0.08	3.14	36	203	3	2.59
BST-89	0.10	4.10	27	362	4	1.59
BST-90	0.05	3.24	39	1219	3	1.64
BST-91	0.07	2.95	29	292	3	1.79
BST-93	0.06	3.22	49	360	3	1.53
BST-94a Analytical Duplicate	0.13	3.52	28	395	5	1.96
BST-94b Analytical Duplicate	0.13	3.61	31	359	4	2.05
BST-96	0.07	4.08	30	680	3	2.28
BST-97	0.11	3.02	24	215	6	2.16
BST-98	0.08	3.42	29	410	6	2.61
BST-99	0.06	3.71	29	270	3	1.60
BST-100a Analytical Duplicate	0.10	3.22	29	586	9	1.98
BST-100b Analytical Duplicate	0.10	3.26	40	610	9	2.01
BST-101a Analytical Duplicate	0.08	1.70	49	668	6	0.92
BST-101b Analytical Duplicate	0.08	1.70	48	655	6	0.89

Sample Site	Na %	P %	Sn ppm	Sr ppm	V ppm	S %
BST-102-1 Field Duplicate	0.06	2.80	48	520	4	1.19
BST-102-2 Field Duplicate	0.07	2.99	49	351	4	2.10
BST-103	0.09	4.36	35	579	4	2.39
BST-104	0.11	4.58	38	179	6	1.92
BST-105	0.12	3.95	27	505	5	1.17
BST-106	0.23	4.30	32	177	7	1.41
BST-109	0.06	2.13	39	397	6	1.43
BST-110	0.08	2.08	42	220	4	1.28
BST-113	0.06	3.56	40	151	2	1.53
BST-114	0.08	4.88	32	227	3	1.93
BST-115	0.08	2.79	54	587	5	1.25
BST-116	0.06	3.33	49	154	4	2.12
BST-117	0.08	4.57	30	282	4	1.25
BST-118a Analytical Duplicate	0.09	3.11	40	149	7	1.03
BST-118b Analytical Duplicate	0.09	3.10	36	135	6	1.14
BST-118c Analytical Duplicate (of 118b)	0.10	3.18	46	142	7	1.51
BST-119	0.07	3.65	36	295	5	1.43
BST-120	0.09	4.28	41	331	3	1.53
BST-121	0.09	4.56	26	321	4	2.20
BST-122	0.08	4.65	40	331	3	1.95
BST-124	0.07	5.70	24	124	2	1.85
BST-125	0.04	4.65	32	262	2	1.73
BST-126	0.08	5.75	27	391	1	3.10
BST-128	0.13	3.66	32	276	3	1.53
BST-130-1 Field Duplicate	0.12	4.73	28	126	4	1.77
BST-130-2 Field Duplicate	0.21	3.32	35	157	8	1.05
BST-131	0.05	4.07	33	205	2	1.39
BST-133a Analytical Duplicate	0.09	4.32	41	469	2	1.06
BST-133b Analytical Duplicate	0.09	4.36	29	478	2	1.07
BST-134	0.12	4.24	37	119	4	1.56
BST-135	0.07	3.80	31	216	3	1.85
BST-136	0.09	3.32	38	547	3	1.59
BST-137-1 Field Duplicate	0.08	3.95	41	1485	3	1.58
BST-137-2 Field Duplicate	0.09	3.39	28	1205	5	1.18
BST-138	0.07	4.36	32	763	2	1.65
BST-139	0.11	2.99	38	763	5	1.53
BST-140a Analytical Duplicate	0.10	3.98	36	361	5	1.41
BST-140b Analytical Duplicate	0.09	3.66	31	335	4	1.33
BST-142	0.06	6.06	26	303	1	1.50
BST-143a Analytical Duplicate	0.10	5.40	26	203	3	1.98
BST-143b Analytical Duplicate	0.10	5.68	28	216	3	1.91
BST-145	0.08	3.64	38	166	5	1.71
BST-147	0.08	4.51	34	562	2	2.28
BST-149-1 Field Duplicate	0.07	4.54	28	218	2	2.09
BST-149-2 Field Duplicate	0.08	5.27	21	173	1	2.41
BST-151	0.11	3.40	46	413	5	1.51
BST-152	0.09	5.74	33	345	3	1.33
BST-153	0.08	5.28	23	302	2	1.36
BST-154	0.06	4.30	22	228	2	1.63
BST-155	0.08	4.41	24	353	2	1.03
BST-157	0.13	4.59	28	212	3	1.38
BST-159	0.08	4.62	13	97	3	2.26
BST-160	0.13	5.40	13	88	2	1.48
BST-161	0.05	3.08	26	650	2	1.55

Sample Site	Na %	P %	Sn ppm	Sr ppm	V ppm	S %
BST-162a Analytical Duplicate	0.13	5.29	18	551	3	1.12
BST-162b Analytical Duplicate	0.12	5.32	22	533	3	1.35
BST-163	0.18	4.32	21	323	4	1.16
BST-164	0.26	7.32	1	139	5	2.04
BST-166	0.10	7.16	11	112	2	1.99
BST-167	0.06	4.60	25	101	1	1.15
BST-168	0.08	3.16	28	421	3	1.07
BST-169	0.10	2.79	30	541	3	1.07
BST-170	0.07	3.62	30	348	3	0.95
BST-171-1 Field Duplicate	0.07	4.49	14	227	2	2.17
BST-171-2 Field Duplicate	0.14	4.90	28	332	4	1.24
BST-173	0.07	2.85	27	395	3	1.00
BST-174	0.08	3.73	29	233	3	0.83
BST-175	0.13	5.73	19	267	3	1.04
BST-177	0.07	3.90	16	250	3	0.87
BST-179-1 Field Duplicate	0.09	3.44	24	805	4	0.88
BST-179-2 Field Duplicate	0.10	2.38	23	541	5	0.76
BST-180	0.08	2.46	23	403	5	0.98
BST-181	0.12	2.78	26	227	6	0.99
BST-182	0.05	2.88	26	222	4	1.06
BST-201	0.07	4.09	29	301	4	2.47
BST-202	0.06	2.81	31	505	4	1.67
BST-203a Analytical Duplicate	0.09	2.50	36	453	5	0.86
BST-203b Analytical Duplicate	0.09	2.33	32	426	4	0.74
BST-204	0.11	2.45	37	526	6	1.13
BST-205	0.11	2.56	30	523	6	1.48
BST-206	0.10	2.96	21	281	5	0.78
BST-207	0.07	4.53	21	299	3	1.91
BST-208	0.09	3.52	26	166	5	1.90
BST-209	0.08	3.89	24	382	6	1.49
BST-210	0.10	3.26	29	400	5	1.27
BST-211	0.10	3.64	21	210	5	2.05
BST-212	0.07	3.24	28	439	3	1.75
BST-213	0.07	2.91	26	337	5	1.97
BST-214	0.17	3.75	24	312	4	1.10
BST-215a Analytical Duplicate	0.06	2.81	30	298	4	0.93
BST-215b Analytical Duplicate	0.06	3.04	26	298	3	1.50
BST-216	0.07	2.60	30	230	4	1.87
BST-217	0.10	3.80	25	284	3	2.15
BST-218-1 Field Duplicate	0.12	2.84	33	278	3	1.13
BST-218-2 Field Duplicate	0.12	2.85	33	284	3	1.40
BST-218-b Analytical Duplicate	0.14	3.66	24	361	5	2.14
BST-219	0.14	3.13	34	225	4	1.59
BST-220	0.08	3.93	24	223	4	1.41
BST-221	0.10	2.63	22	364	4	1.37
BST-222	0.12	3.27	18	198	5	1.28
BST-223	0.08	2.70	33	191	3	1.04
BST-224	0.07	3.57	28	199	3	1.36
BST-225	0.11	3.43	22	366	5	1.68
BST-226	0.06	2.32	33	271	4	0.88
BST-227	0.15	3.60	25	347	4	1.42
BST-228a Analytical Duplicate	0.08	2.55	28	437	5	0.75
BST-228b Analytical Duplicate	0.09	2.76	35	479	6	1.48
BST-229	0.09	2.43	19	303	5	0.73

Sample Site	Na %	P %	Sn ppm	Sr ppm	V ppm	S %
BST-230	0.08	2.82	27	168	6	0.85
BST-231-1 Field Duplicate	0.08	2.25	28	647	5	1.26
BST-231-2 Field Duplicate	0.07	2.34	27	1318	7	0.90
BST-232	0.06	3.17	28	325	4	1.02
BST-233	0.10	2.97	29	372	4	2.32
BST-234	0.08	2.21	26	452	6	1.05
BST-235	0.09	2.63	30	360	2	1.12
BST-236a Analytical Duplicate	0.07	2.12	36	199	5	0.84
BST-236b Analytical Duplicate	0.07	2.34	40	211	5	0.92
BST-237	0.09	3.14	28	247	2	1.85
BST-238	0.07	2.42	25	317	5	0.86
BST-239	0.09	2.46	29	316	6	1.12
BST-240	0.11	2.90	23	666	6	1.45
BST-241	0.07	2.29	32	465	4	1.32
BST-242	0.14	2.46	29	492	11	1.37
BST-243	0.08	3.04	26	108	3	1.43
BST-244	0.08	4.67	25	210	3	1.48
BST-245	0.11	3.14	29	194	6	1.33
BST-246a Analytical Duplicate	0.06	2.20	29	799	4	0.96
BST-246b Analytical Duplicate	0.06	2.05	28	815	4	1.01
BST-247	0.05	2.73	30	216	4	0.96
BST-248	0.08	2.35	32	446	5	1.13
BST-249	0.08	1.99	33	394	6	1.03
BST-250-1 Field Duplicate	0.08	2.79	31	491	4	0.99
BST-250-2 Field Duplicate	0.06	2.33	37	423	3	1.17
BST-250a Analytical Duplicate (of 250-2)	0.06	2.28	28	413	3	0.75
BST-251	0.05	3.38	18	157	2	1.06
BST-252	0.06	2.22	27	474	5	1.02
BST-253	0.06	2.33	31	309	3	0.87
BST-254	0.11	2.11	30	291	3	0.78
BST-255	0.07	2.71	30	278	5	0.87
BST-256	0.14	2.35	32	450	4	0.67
BST-257	0.08	1.98	38	256	2	0.67
BST-258	0.07	2.13	32	456	6	0.77
BST-259	0.13	2.75	26	372	8	0.87
BST-260	0.07	1.82	30	377	5	0.89
BST-261	0.07	3.71	34	260	3	1.83
BST-262a Analytical Duplicate	0.09	2.00	37	708	8	0.96
BST-262b Analytical Duplicate	0.09	2.08	36	703	8	0.90
BST-263	0.10	2.78	30	440	5	0.86
BST-264	0.08	2.41	36	367	4	0.80
BST-265-1 Field Duplicate	0.09	2.54	33	177	3	1.06
BST-265-2 Field Duplicate	0.11	2.70	33	300	5	1.04
BST-266	0.08	1.96	37	554	4	0.70
BST-267	0.12	1.84	35	438	8	0.84
BST-268	0.05	2.38	30	336	3	2.50
BST-269	0.06	2.77	37	620	3	2.60
BST-270a Analytical Duplicate	0.08	2.11	33	287	5	0.88
BST-270b Analytical Duplicate	0.08	2.13	36	293	5	0.81
BST-271	0.09	2.72	27	326	6	1.00
BST-272	0.09	2.09	31	728	7	0.93
BST-273	0.08	2.54	31	251	4	0.96
BST-274	0.07	1.98	44	440	5	0.90
BST-275	0.10	2.16	32	504	8	0.97

Sample Site	Na %	P %	Sn ppm	Sr ppm	V ppm	S %
BST-276	0.06	2.50	35	266	3	1.04
BST-277	0.16	3.15	30	206	5	1.59
BST-278a Analytical Duplicate	0.10	2.31	34	320	3	1.18
BST-278b Analytical Duplicate	0.11	2.44	36	322	3	1.66
BST-279	0.08	3.47	21	230	2	1.64
BST-280	0.08	2.07	34	452	6	1.14
BST-281-1 Field Duplicate	0.07	1.75	45	429	4	0.86
BST-281-2 Field Duplicate	0.10	2.41	31	392	6	0.86
BST-282	0.13	2.26	41	317	6	1.14
BST-283	0.05	2.22	31	370	3	1.36
BST-284	0.07	2.18	38	278	3	0.87
BST-285	0.07	2.08	34	525	3	0.85
BST-286	0.12	2.92	29	402	3	2.03
BST-287	0.08	2.42	33	326	3	1.16
BST-288	0.08	2.23	31	278	6	1.25
BST-289	0.08	2.08	29	575	4	1.37
BST-290	0.08	2.06	30	455	5	0.87
BST-291	0.08	2.27	27	389	4	0.96
BST-292	0.10	2.92	27	317	6	1.22
BST-293	0.12	2.35	24	222	6	1.36
BST-294	0.07	3.10	33	306	3	1.11
BST-295	0.10	3.24	28	278	5	1.96
BST-296a Analytical Duplicate	0.16	2.37	32	507	8	1.17
BST-296b Analytical Duplicate	0.15	2.45	37	492	8	1.23
BST-297	0.11	3.01	33	402	5	1.50
BST-298	0.07	3.16	29	320	4	1.35
BST-299	0.17	2.24	34	403	12	1.33
BST-300	0.06	2.80	27	237	3	1.39
BST-301	0.06	2.49	33	278	4	1.28
BST-302	0.07	2.51	26	193	3	1.67
BST-303	0.14	2.11	31	322	8	1.36
BST-304	0.06	2.46	33	712	4	1.60
BST-305a Analytical Duplicate	0.04	2.66	30	386	4	1.76
BST-305b Analytical Duplicate	0.06	2.71	24	392	4	1.21
BST-306	0.10	2.57	26	262	4	1.13
BST-307	0.07	2.43	31	386	3	1.17
BST-308	0.13	1.93	33	304	8	0.95
BST-309	0.13	2.33	29	405	5	1.44
BST-310-1 Field Duplicate	0.10	2.67	23	231	8	1.31
BST-310-2 Field Duplicate	0.06	2.51	32	271	4	1.19
BST-311a Analytical Duplicate	0.11	2.77	32	372	4	1.42
BST-311b Analytical Duplicate	0.10	2.70	27	345	3	1.41
BST-312	0.07	2.86	23	364	3	1.94
BST-313	0.08	2.22	31	384	7	1.40
BST-314	0.06	1.93	32	638	5	1.58
BST-315	0.06	2.98	33	387	3	1.93
BST-316	0.07	2.40	26	217	4	1.20
BST-317	0.07	2.13	36	434	5	1.85
BST-318	0.13	2.02	31	1690	6	1.79
BST-319	0.09	2.49	24	287	5	1.55
BST-320	0.13	2.70	34	267	8	1.61
BST-321	0.05	2.68	29	242	3	2.00
BST-322	0.07	4.22	20	292	5	2.62
BST-323	0.06	2.55	48	638	5	1.65

Sample Site	Na %	P %	Sn ppm	Sr ppm	V ppm	S %
BST-324	0.08	2.37	38	279	8	1.35
BST-325	0.06	2.40	38	451	4	1.35
BST-326	0.09	2.62	28	316	4	1.30
BST-327	0.05	3.44	34	207	2	1.76
BST-328	0.08	2.86	29	495	4	2.30
BST-329-1 Field Duplicate	0.09	2.91	36	288	4	1.77
BST-329-2 Field Duplicate	0.10	2.58	27	389	3	2.13
BST-330	0.10	2.70	24	827	4	1.49
BST-331	0.10	2.91	30	272	4	1.93
BST-332a Analytical Duplicate	0.06	3.84	26	295	2	1.66
BST-332b Analytical Duplicate	0.06	3.65	24	261	2	1.61
BST-333	0.06	2.62	35	308	3	2.16
BST-334	0.09	2.56	29	194	5	1.87
BST-335	0.08	2.55	32	453	4	2.01
BST-336a Analytical Duplicate	0.15	2.31	25	213	7	1.44
BST-336b Analytical Duplicate	0.16	2.35	29	219	7	1.47
BST-337	0.05	2.77	29	485	2	1.62
BST-338	0.08	2.67	27	904	6	1.99
BST-339	0.05	2.26	34	595	4	1.39
BST-340	0.05	2.48	36	577	3	1.94
BST-341	0.06	2.61	28	424	4	2.19
BST-342	0.07	2.48	36	285	6	1.88
BST-343a Analytical Duplicate	0.05	3.61	27	172	2	1.72
BST-343b Analytical Duplicate	0.05	3.59	25	170	2	1.77
BST-344	0.07	3.11	23	226	3	1.91
BST-345-1 Field Duplicate	0.04	3.14	29	125	2	1.95
BST-345-2 Field Duplicate	0.03	2.57	27	239	1	2.07
BST-345b Analytical Duplicate (of 345-2)	0.03	2.65	30	242	1	2.13
BST-346	0.05	2.49	22	263	2	2.18
BST-347	0.07	2.36	29	193	4	1.52
BST-348	0.08	2.83	21	190	5	2.24
BST-349	0.05	3.17	31	267	4	2.21
BST-350	0.06	2.64	34	336	3	2.38
BST-351	0.07	2.06	29	377	6	1.33
BST-352	0.05	2.45	32	230	3	2.01
BST-353	0.06	2.64	35	339	5	1.73
BST-354	0.07	3.22	27	409	3	2.37
BST-355	0.06	3.04	29	266	3	1.76
BST-356a Analytical Duplicate	0.06	2.93	26	353	5	1.69
BST-356b Analytical Duplicate	0.05	3.03	25	336	4	2.04
BST-357a Analytical Duplicate	0.04	3.04	27	246	3	1.94
BST-357b Analytical Duplicate	0.04	3.01	31	242	3	1.91
BST-358	0.06	3.47	32	981	4	1.57
BST-359	0.05	3.91	32	520	2	2.24
BST-360	0.06	4.32	31	466	3	2.64
BST-361	0.08	2.27	36	453	6	1.81
BST-362	0.04	5.25	18	228	1	2.56
BST-363	0.05	2.92	45	585	4	1.79
BST-364	0.05	2.38	35	333	4	1.36
BST-365	0.07	2.96	39	282	5	1.86
BST-366	0.07	3.17	23	397	5	3.04
BST-367	0.07	3.47	25	479	5	2.21
BST-368	0.07	3.52	29	329	4	2.18

Appendix V-2

Duplicate Pair ICP-AES Analyses.

Sample	UTM Easting	UTM Northing	Ag ppm	Cd ppm	Cu ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm	Al %	Ba ppm	Ca %	Co ppm	Cr ppm	Fe %	K %	Mg %
BST-8a Analytical Duplicate	384794.28	6092294.50	1.4	1.19	137	8542	3	39	1	1728	0.23	445	24.3	1.4	7	0.18	8.96	5.56
BST-8b Analytical Duplicate	384794.28	6092294.50	1.4	0.97	130	8431	1	38	6	1652	0.21	388	23.8	1.1	6	0.17	8.89	5.43
BST-16-1 Field Duplicate	385545.63	6095757.00	1.9	1.84	216	10740	3	197	9	1444	0.41	241	27.8	4.3	11	0.26	8.37	4.92
BST-16-2 Field Duplicate	389243.59	6093479.00	1.8	1.61	151	8032	2	66	18	1214	0.38	322	26.6	2.8	8	0.30	7.92	4.52
BST-30a Analytical Duplicate	387156.56	6099410.50	1.2	2.01	218	4978	2	127	19	2303	0.27	429	21.9	2.7	7	0.34	10.19	4.50
BST-30b Analytical Duplicate	387156.56	6099410.50	1.3	2.54	230	5271	2	136	21	2401	0.28	430	22.4	2.8	7	0.36	10.58	4.70
BST-35-1 Field Duplicate	386267.97	6101746.50	1.2	2.14	135	7986	2	45	15	1759	0.27	387	23.1	2.0	7	0.34	7.27	6.08
BST-35-2 Field Duplicate	386267.97	6101746.50	1.6	1.48	113	9853	2	33	8	1317	0.20	399	30.4	1.5	6	0.27	5.11	4.19
BST-50a Analytical Duplicate	394790.84	6100997.50	1.1	1.50	147	6425	1	45	5	2117	0.24	597	26.5	1.4	7	0.33	7.59	4.51
BST-50b Analytical Duplicate	394790.84	6100997.50	1.2	1.71	143	5777	2	43	14	2013	0.26	519	25.7	1.7	7	0.34	7.36	4.13
BST-53-1 Field Duplicate	399544.66	6095816.50	1.6	1.49	144	8576	1	20	8	1734	0.21	515	26.1	1.2	6	0.25	6.91	4.13
BST-53-2 Field Duplicate	399544.66	6095816.50	1.4	2.40	142	7460	2	54	18	1182	0.37	339	24.7	2.7	7	0.43	6.74	4.15
BST-64a Analytical Duplicate	392280.47	6100523.00	2.2	1.71	245	13190	3	105	14	1763	0.32	275	28.1	2.6	7	0.31	7.49	4.30
BST-64b Analytical Duplicate	392280.47	6100523.00	2.0	1.38	229	12700	3	97	13	1669	0.28	242	26.7	2.7	7	0.28	7.13	4.27
BST-69-1 Field Duplicate	398290.31	6099503.50	1.9	1.30	116	8692	3	45	17	1560	0.26	297	27.0	2.3	6	0.32	8.49	3.17
BST-69-2 Field Duplicate	398290.31	6099503.50	2.3	1.39	160	9905	2	52	15	1881	0.27	160	27.9	3.0	6	0.33	7.89	3.47
BST-76-1 Field Duplicate	405489.13	6108952.50	1.1	1.64	155	7364	8	45	17	2450	0.26	231	25.0	2.5	6	0.33	8.99	3.89
BST-76-2 Field Duplicate	405489.13	6108952.50	1.2	1.54	152	6085	6	40	13	1632	0.31	157	27.1	2.0	7	0.41	8.45	4.08
BST-77a Analytical Duplicate	407618.00	6108196.00	1.5	1.85	119	12500	1	144	17	1790	0.36	198	25.7	8.8	7	0.35	8.49	4.44
BST-77b Analytical Duplicate	407618.00	6108196.00	1.5	1.77	119	12670	3	149	18	1774	0.35	184	26.1	9.3	7	0.33	8.44	4.59
BST-94a Analytical Duplicate	389081.13	6092532.00	0.6	1.68	193	4656	2	41	13	1808	0.21	221	23.0	1.8	7	0.28	12.20	4.92
BST-94b Analytical Duplicate	389081.13	6092532.00	0.8	1.58	183	4464	1	35	9	1704	0.18	149	22.4	1.4	6	0.24	12.00	5.08
BST-100a Analytical Duplicate	390771.78	6095004.00	0.7	3.29	190	6678	2	83	33	1626	0.38	60	24.3	3.0	9	0.47	7.37	6.29
BST-100b Analytical Duplicate	390771.78	6095004.00	0.4	3.26	187	7027	3	85	25	1666	0.38	137	24.3	2.7	9	0.46	7.78	6.42
BST-101a Analytical Duplicate	393612.16	6097352.00	1.2	1.91	108	4265	2	27	19	2229	0.27	480	30.7	1.9	6	0.34	5.72	4.27
BST-101b Analytical Duplicate	393612.16	6097352.00	1.2	1.62	111	4460	3	27	19	2300	0.27	392	30.6	1.6	6	0.34	5.84	4.44
BST-102-1 Field Duplicate	392650.41	6096653.00	1.1	0.79	178	8912	2	35	7	1712	0.18	238	27.0	1.6	6	0.26	7.87	3.08
BST-102-2 Field Duplicate	392650.41	6096653.00	0.9	1.21	165	10000	3	42	6	2025	0.19	325	29.5	1.6	6	0.27	7.65	4.36
BST-118a Analytical Duplicate	391438.41	6097052.00	0.7	5.69	242	27130	2	166	44	1844	0.35	484	25.1	2.9	9	0.46	7.63	4.95
BST-118b Analytical Duplicate	391438.41	6097052.00	0.7	4.57	225	25180	1	152	39	1720	0.31	443	24.5	2.4	8	0.39	7.84	5.16
BST-118c Analytical Duplicate (of 118b)	391438.41	6097052.00	0.8	4.55	226	18450	3	167	39	1790	0.34	494	25.3	2.8	10	0.43	8.03	5.48
BST-130-1 Field Duplicate	392870.50	6104868.50	0.3	1.74	175	19920	2	127	14	2149	0.20	320	19.4	0.5	7	0.26	10.79	5.61
BST-130-2 Field Duplicate	392870.50	6104868.50	0.4	1.99	209	26830	1	93	20	2202	0.36	362	21.5	1.9	10	0.44	8.03	4.36

Sample	UTM Easting	UTM Northing	Ag ppm	Cd ppm	Cu ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm	Al %	Ba ppm	Ca %	Co ppm	Cr ppm	Fe %	K %	Mg %
BST-133a Analytical Duplicate	395632.94	6104304.50	0.6	0.57	217	6742	1	26	6	1152	0.09	277	20.9	1.7	5	0.16	10.25	3.57
BST-133b Analytical Duplicate	395632.94	6104304.50	0.7	0.25	219	6746	1	27	5	1164	0.08	296	21.0	1.7	5	0.15	10.43	3.59
BST-137-1 Field Duplicate	398893.06	6102443.50	0.8	0.93	95	13030	1	21	8	2019	0.15	298	26.7	1.0	7	0.24	9.27	3.86
BST-137-2 Field Duplicate	398893.06	6102443.50	0.3	1.93	153	21210	2	30	20	2730	0.25	332	22.7	1.1	7	0.35	10.23	4.36
BST-140a Analytical Duplicate	396582.16	6102405.00	0.6	1.49	136	8874	2	22	15	2261	0.22	238	22.6	1.3	7	0.29	10.58	4.49
BST-140b Analytical Duplicate	396582.16	6102405.00	0.6	1.41	123	8236	1	21	11	2099	0.20	226	21.0	1.3	6	0.27	9.66	4.22
BST-143a Analytical Duplicate	398945.84	6104816.50	0.8	0.97	211	7041	1	38	11	1751	0.15	177	17.4	2.6	7	0.20	8.85	6.00
BST-143b Analytical Duplicate	398945.84	6104816.50	0.8	1.21	218	7221	2	39	12	1811	0.16	211	18.5	3.6	7	0.21	9.35	6.26
BST-149-1 Field Duplicate	402139.66	6105434.00	0.6	0.76	118	9264	1	35	8	1463	0.14	255	20.6	1.8	6	0.17	10.48	6.19
BST-149-2 Field Duplicate	402139.66	6105434.00	0.7	0.87	203	8692	1	48	7	2074	0.13	241	18.0	1.8	6	0.18	12.02	6.90
BST-162a Analytical Duplicate	408825.19	6111203.00	0.7	1.24	152	6846	1	18	6	1423	0.14	192	17.5	1.2	6	0.19	11.56	5.53
BST-162b Analytical Duplicate	408825.19	6111203.00	0.6	1.30	151	6757	1	17	9	1362	0.13	195	17.6	0.5	6	0.18	11.42	5.51
BST-171-1 Field Duplicate	400308.25	6102973.00	0.6	1.25	136	6336	1	60	5	1474	0.09	214	16.8	0.5	5	0.13	11.97	5.18
BST-171-2 Field Duplicate	400308.25	6102973.00	0.9	1.51	216	7493	2	111	12	1725	0.19	229	20.4	1.9	7	0.25	10.37	6.25
BST-179-1 Field Duplicate	382763.03	6098971.50	0.9	1.08	206	7241	1	21	6	2268	0.18	228	20.4	1.2	6	0.23	10.55	4.81
BST-179-2 Field Duplicate	382763.03	6098971.50	1.5	1.23	176	7455	1	21	9	1710	0.23	212	20.2	1.1	6	0.26	10.54	4.52
BST-203a Analytical Duplicate	377759.09	6103205.50	1.8	1.13	221	8174	1	50	9	3011	0.21	179	29.1	1.8	6	0.28	7.30	3.67
BST-203b Analytical Duplicate	377759.09	6103205.50	1.5	1.08	210	7743	1	46	6	2905	0.20	205	27.1	1.8	6	0.26	7.16	3.44
BST-215a Analytical Duplicate	377864.75	6104760.00	0.6	1.45	146	6009	1	47	8	1637	0.16	182	22.1	1.8	5	0.21	7.08	4.45
BST-215b Analytical Duplicate	377864.75	6104760.00	0.6	1.34	147	6302	1	47	6	1656	0.14	134	22.9	1.5	5	0.19	7.46	4.64
BST-218-1 Field Duplicate	389764.00	6111144.00	1.1	1.15	310	8601	1	42	6	2213	0.14	233	26.4	2.0	6	0.20	7.58	4.05
BST-218-2 Field Duplicate	389764.00	6111144.00	1.2	1.03	315	8669	1	44	4	2241	0.14	215	27.2	1.4	6	0.20	7.65	4.09
BST-218-b Analytical Duplicate	389764.00	6111144.00	1.6	1.69	273	12420	1	59	15	2583	0.25	130	24.0	2.2	8	0.34	8.56	5.47
BST-228a Analytical Duplicate	386397.94	6109043.50	1.1	1.33	180	8503	1	23	11	1787	0.26	246	24.4	1.5	7	0.32	6.28	5.28
BST-228b Analytical Duplicate	386397.94	6109043.50	1.0	1.60	192	9503	1	25	15	1943	0.29	214	27.2	1.9	8	0.35	6.80	5.72
BST-231-1 Field Duplicate	382258.53	6113338.50	0.9	1.27	142	7022	1	25	4	3017	0.21	173	25.6	1.5	5	0.27	6.50	3.79
BST-231-2 Field Duplicate	382258.53	6113338.50	0.8	1.78	145	6543	1	31	15	2639	0.29	250	23.0	1.4	7	0.37	7.61	4.35
BST-236a Analytical Duplicate	381154.03	6111993.00	1.3	1.50	159	9248	1	22	6	1952	0.23	324	25.3	1.7	6	0.29	6.49	3.77
BST-236b Analytical Duplicate	381154.03	6111993.00	1.1	1.33	171	9960	1	22	4	2060	0.23	333	27.1	1.9	6	0.29	7.09	4.10
BST-246a Analytical Duplicate	389829.19	6119804.50	0.5	1.31	113	6236	1	21	8	1780	0.16	215	22.9	0.5	5	0.21	8.18	4.62
BST-246b Analytical Duplicate	389829.19	6119804.50	0.5	1.37	113	6107	1	22	9	1832	0.19	209	23.3	1.1	5	0.23	8.02	4.26
BST-250-1 Field Duplicate	392449.16	6112208.50	0.8	1.35	174	7358	1	32	11	2521	0.17	190	23.0	1.4	6	0.25	7.48	4.31
BST-250-2 Field Duplicate	392449.16	6112208.50	1.4	1.39	242	7866	1	36	6	1930	0.14	210	26.9	1.6	6	0.23	6.89	4.76
BST-250a Analytical Duplicate (of 250-2)	392449.16	6112208.50	1.3	1.14	237	7767	1	37	4	1897	0.14	246	25.7	1.3	5	0.22	6.80	4.70
BST-262a Analytical Duplicate	382201.84	6113313.00	1.6	1.90	177	7527	3	32	11	1980	0.39	238	29.3	2.4	6	0.48	6.54	4.35
BST-262b Analytical Duplicate	382201.84	6113313.00	1.4	1.68	181	7769	4	31	12	1961	0.35	211	28.5	2.0	6	0.44	6.81	4.27

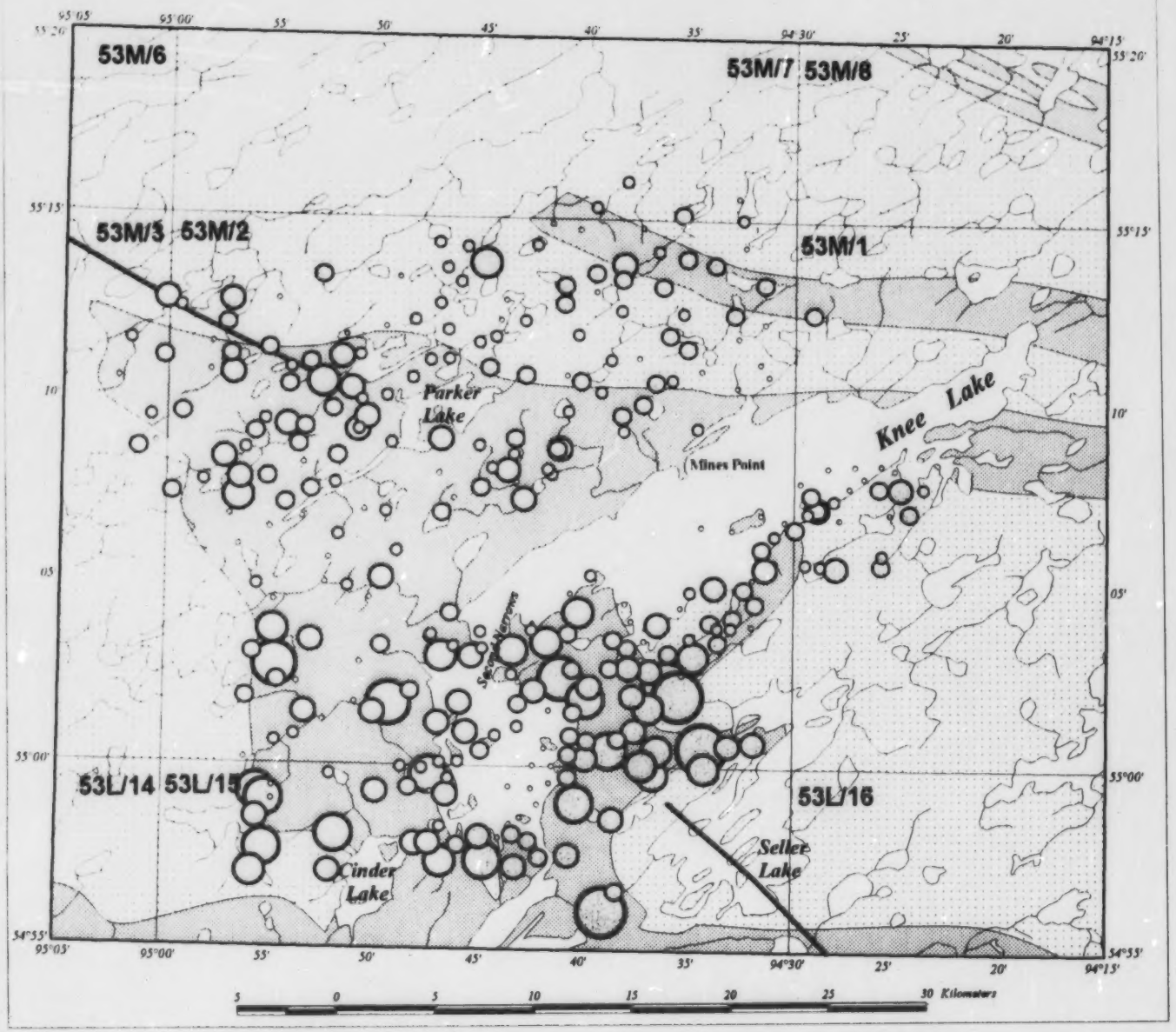
Sample	UTM		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	Ba	Ca	Co	Cr	Fe	K	Mg
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	%	%
BST-265-1 Field Duplicate	379871.44	6116760.00	1.3	1.42	226	11975	1	97	4	2039	0.14	273	23.7	1.9	6	0.21	9.06	5.78
BST-265-2 Field Duplicate	379871.44	6116760.00	1.1	1.79	160	22957	1	85	5	3058	0.21	202	26.7	1.9	8	0.30	8.08	4.32
BST-270a Analytical Duplicate	375674.28	6118785.50	1.2	1.06	134	7008	1	31	10	1668	0.22	328	26.4	2.2	6	0.27	8.33	3.92
BST-270b Analytical Duplicate	375674.28	6118785.50	1.2	1.08	136	7064	2	31	7	1679	0.22	359	26.4	1.4	6	0.28	8.38	4.01
BST-278a Analytical Duplicate	375920.22	6119958.50	1.4	1.29	177	6656	1	51	6	1067	0.15	235	25.3	2.8	5	0.21	8.16	3.95
BST-278b Analytical Duplicate	375920.22	6119958.50	1.3	1.24	183	7045	2	52	4	1103	0.14	211	25.7	3.0	5	0.20	8.64	3.86
BST-281-1 Field Duplicate	375405.56	6111977.50	1.4	1.04	127	7675	1	35	5	1951	0.18	335	31.4	1.3	5	0.22	6.38	3.12
BST-281-2 Field Duplicate	375405.56	6111977.50	1.3	1.37	164	7313	1	31	14	2618	0.30	389	27.5	1.9	7	0.35	7.82	3.85
BST-296a Analytical Duplicate	388906.22	6116341.50	1.1	2.13	138	10500	1	46	22	2416	0.34	260	26.5	1.9	8	0.42	7.39	2.75
BST-296b Analytical Duplicate	388906.22	6116341.50	1.1	1.95	132	10359	2	48	19	2369	0.34	307	26.2	2.4	8	0.42	7.56	2.69
BST-305a Analytical Duplicate	394394.06	6121113.00	1.4	1.08	163	8859	1	32	9	2518	0.17	196	24.0	1.5	6	0.24	8.78	4.96
BST-305b Analytical Duplicate	394394.06	6121113.00	1.3	1.16	169	9055	1	33	10	2579	0.18	217	23.7	1.3	6	0.24	8.94	5.11
BST-310-1 Field Duplicate	386862.44	6121457.50	1.0	2.46	187	8873	1	45	22	2486	0.37	277	20.7	2.3	8	0.45	9.34	5.58
BST-310-2 Field Duplicate	386862.44	6121457.50	0.9	1.34	171	6623	1	33	9	1362	0.18	330	23.6	2.4	5	0.22	9.71	4.31
BST-311a Analytical Duplicate	398860.28	6124033.50	1.3	1.48	214	5344	2	41	7	1628	0.18	260	23.1	1.9	6	0.24	10.93	4.38
BST-311b Analytical Duplicate	398860.28	6124033.50	1.2	1.36	206	5183	1	35	4	1527	0.15	251	22.3	1.4	5	0.21	10.01	4.42
BST-329-1 Field Duplicate	399739.69	6116073.00	0.8	1.27	165	9280	1	33	11	2398	0.20	190	22.1	1.9	6	0.26	9.33	3.86
BST-329-2 Field Duplicate	399739.69	6116073.00	0.8	1.61	163	7696	2	33	11	1677	0.17	158	24.5	1.4	6	0.23	8.64	4.96
BST-332a Analytical Duplicate	388402.53	6110279.50	1.4	1.33	254	10823	1	107	3	1680	0.22	231	21.5	3.1	6	0.19	10.30	5.19
BST-332b Analytical Duplicate	388402.53	6110279.50	1.2	1.26	235	10155	1	99	6	1555	0.21	186	19.2	2.4	6	0.19	9.73	4.86
BST-336a Analytical Duplicate	386319.13	6111064.50	0.9	2.36	200	11541	2	65	21	2576	0.32	286	20.6	2.2	8	0.42	9.07	5.35
BST-336b Analytical Duplicate	386319.13	6111064.50	0.6	2.46	201	12132	1	67	20	2637	0.34	311	21.1	2.8	9	0.44	9.44	5.55
BST-343a Analytical Duplicate	374800.81	6116438.50	0.4	1.33	139	5441	1	25	6	1314	0.14	310	19.7	1.2	5	0.17	11.53	4.69
BST-343b Analytical Duplicate	374800.81	6116438.50	0.6	1.58	138	5457	1	24	8	1313	0.13	330	20.1	1.0	5	0.16	11.01	4.77
BST-345-1 Field Duplicate	373345.66	6119686.50	0.9	1.11	191	9466	2	45	6	1547	0.13	265	22.0	2.1	5	0.17	9.04	4.25
BST-345-2 Field Duplicate	373345.66	6119686.50	0.7	1.07	225	7355	1	38	1	1596	0.06	205	21.4	0.5	4	0.10	10.94	4.67
BST-345b Analytical Duplicate (of 345-2)	373345.66	6119686.50	0.8	0.89	232	7440	1	40	1	1644	0.06	198	21.8	0.5	4	0.10	10.68	4.76
BST-356a Analytical Duplicate	378960.09	6100575.00	0.7	1.39	153	7284	1	41	15	2020	0.22	277	18.4	1.1	6	0.28	11.38	3.85
BST-356b Analytical Duplicate	378960.09	6100575.00	0.7	1.18	149	7534	1	38	10	2016	0.19	207	18.4	1.3	6	0.24	11.17	4.39
BST-357a Analytical Duplicate	382146.16	6101546.50	0.6	1.17	160	11160	1	44	10	2085	0.16	111	20.4	1.5	6	0.21	10.75	5.49
BST-357b Analytical Duplicate	382146.16	6101546.50	0.5	1.40	154	11154	1	44	11	2063	0.16	130	20.1	1.9	6	0.20	10.42	5.45

Sample	Na %	P %	Sn ppm	Sr ppm	V ppm	S %
BST-8a Analytical Duplicate	0.12	3.32	29	335	3	0.60
BST-8b Analytical Duplicate	0.11	3.28	21	324	3	0.64
BST-16-1 Field Duplicate	0.10	4.13	34	781	4	0.89
BST-16-2 Field Duplicate	0.13	3.77	36	472	6	1.11
BST-30a Analytical Duplicate	0.23	4.44	26	280	6	1.29
BST-30b Analytical Duplicate	0.26	4.75	27	291	6	1.19
BST-35-1 Field Duplicate	0.11	2.95	29	448	6	0.67
BST-35-2 Field Duplicate	0.11	2.19	37	649	4	1.05
BST-50a Analytical Duplicate	0.09	3.11	40	375	5	1.25
BST-50b Analytical Duplicate	0.09	2.90	36	361	6	1.00
BST-53-1 Field Duplicate	0.08	2.12	34	277	4	0.81
BST-53-2 Field Duplicate	0.15	2.43	34	451	8	0.93
BST-64a Analytical Duplicate	0.09	2.81	47	219	6	0.73
BST-64b Analytical Duplicate	0.08	2.71	39	202	5	0.82
BST-69-1 Field Duplicate	0.09	2.21	43	317	5	1.05
BST-69-2 Field Duplicate	0.11	2.17	46	528	5	1.44
BST-76-1 Field Duplicate	0.11	2.82	39	450	6	1.12
BST-76-2 Field Duplicate	0.08	2.58	38	523	6	1.53
BST-77a Analytical Duplicate	0.17	2.78	42	520	5	1.32
BST-77b Analytical Duplicate	0.19	2.88	42	517	5	1.62
BST-94a Analytical Duplicate	0.13	3.52	28	395	5	1.96
BST-94b Analytical Duplicate	0.13	3.61	31	359	4	2.05
BST-100a Analytical Duplicate	0.10	3.22	29	586	9	1.98
BST-100b Analytical Duplicate	0.10	3.26	40	610	9	2.01
BST-101a Analytical Duplicate	0.08	1.70	49	668	6	0.92
BST-101b Analytical Duplicate	0.08	1.70	48	655	6	0.89
BST-102-1 Field Duplicate	0.06	2.80	48	520	4	1.19
BST-102-2 Field Duplicate	0.07	2.99	49	351	4	2.10
BST-118a Analytical Duplicate	0.09	3.11	40	149	7	1.03
BST-118b Analytical Duplicate	0.09	3.10	36	135	6	1.14
BST-118c Analytical Duplicate (of 118b)	0.10	3.18	46	142	7	1.51
BST-130-1 Field Duplicate	0.12	4.73	28	126	4	1.77
BST-130-2 Field Duplicate	0.21	3.32	35	157	8	1.05

Sample	Na %	P %	Sn ppm	Sr ppm	V ppm	S %
BST-133a Analytical Duplicate	0.09	4.32	41	469	2	1.06
BST-133b Analytical Duplicate	0.09	4.36	29	478	2	1.07
BST-137-1 Field Duplicate	0.08	3.95	41	1485	3	1.58
BST-137-2 Field Duplicate	0.09	3.39	28	1205	5	1.18
BST-140a Analytical Duplicate	0.10	3.98	36	361	5	1.41
BST-140b Analytical Duplicate	0.09	3.66	31	335	4	1.33
BST-143a Analytical Duplicate	0.10	5.40	26	203	3	1.98
BST-143b Analytical Duplicate	0.10	5.68	28	216	3	1.91
BST-149-1 Field Duplicate	0.07	4.54	28	218	2	2.09
BST-149-2 Field Duplicate	0.08	5.27	21	173	1	2.41
BST-162a Analytical Duplicate	0.13	5.29	18	551	3	1.12
BST-162b Analytical Duplicate	0.12	5.32	22	533	3	1.35
BST-171-1 Field Duplicate	0.07	4.49	14	227	2	2.17
BST-171-2 Field Duplicate	0.14	4.90	28	332	4	1.24
BST-179-1 Field Duplicate	0.09	3.44	24	805	4	0.88
BST-179-2 Field Duplicate	0.10	2.38	23	541	5	0.76
BST-203a Analytical Duplicate	0.09	2.50	36	453	5	0.86
BST-203b Analytical Duplicate	0.09	2.33	32	426	4	0.74
BST-215a Analytical Duplicate	0.06	2.81	30	298	4	0.93
BST-215b Analytical Duplicate	0.06	3.04	26	298	3	1.50
BST-218-1 Field Duplicate	0.12	2.84	33	278	3	1.13
BST-218-2 Field Duplicate	0.12	2.85	33	284	3	1.40
BST-218-b Analytical Duplicate	0.14	3.66	24	361	5	2.14
BST-228a Analytical Duplicate	0.08	2.55	28	437	5	0.75
BST-228b Analytical Duplicate	0.09	2.76	35	479	6	1.48
BST-231-1 Field Duplicate	0.08	2.25	28	647	5	1.26
BST-231-2 Field Duplicate	0.07	2.34	27	1318	7	0.90
BST-236a Analytical Duplicate	0.07	2.12	36	199	5	0.84
BST-236b Analytical Duplicate	0.07	2.34	40	211	5	0.92
BST-246a Analytical Duplicate	0.06	2.20	29	799	4	0.96
BST-246b Analytical Duplicate	0.06	2.05	28	815	4	1.01
BST-250-1 Field Duplicate	0.08	2.79	31	491	4	0.99
BST-250-2 Field Duplicate	0.06	2.33	37	423	3	1.17
BST-250a Analytical Duplicate (of 250-2)	0.06	2.28	28	413	3	0.75
BST-262a Analytical Duplicate	0.09	2.00	37	708	8	0.96
BST-262b Analytical Duplicate	0.09	2.08	36	703	8	0.90

Sample	Na %	P %	Sn ppm	Sr ppm	V ppm	S %
BST-265-1 Field Duplicate	0.09	2.54	33	177	3	1.06
BST-265-2 Field Duplicate	0.11	2.70	33	300	5	1.04
BST-270a Analytical Duplicate	0.08	2.11	33	287	5	0.88
BST-270b Analytical Duplicate	0.08	2.13	36	293	5	0.81
BST-278a Analytical Duplicate	0.10	2.31	34	320	3	1.18
BST-278b Analytical Duplicate	0.11	2.44	36	322	3	1.66
BST-281-1 Field Duplicate	0.07	1.75	45	429	4	0.86
BST-281-2 Field Duplicate	0.10	2.41	31	392	6	0.86
BST-296a Analytical Duplicate	0.16	2.37	32	507	8	1.17
BST-296b Analytical Duplicate	0.15	2.45	37	492	8	1.23
BST-305a Analytical Duplicate	0.04	2.66	30	386	4	1.76
BST-305b Analytical Duplicate	0.06	2.71	24	392	4	1.21
BST-310-1 Field Duplicate	0.10	2.67	23	231	8	1.31
BST-310-2 Field Duplicate	0.06	2.51	32	271	4	1.19
BST-311a Analytical Duplicate	0.11	2.77	32	372	4	1.42
BST-311b Analytical Duplicate	0.10	2.70	27	345	3	1.41
BST-329-1 Field Duplicate	0.09	2.91	36	288	4	1.77
BST-329-2 Field Duplicate	0.10	2.58	27	389	3	2.13
BST-332a Analytical Duplicate	0.06	3.84	26	295	2	1.66
BST-332b Analytical Duplicate	0.06	3.65	24	261	2	1.61
BST-336a Analytical Duplicate	0.15	2.31	25	213	7	1.44
BST-336b Analytical Duplicate	0.16	2.35	29	219	7	1.47
BST-343a Analytical Duplicate	0.05	3.61	27	172	2	1.72
BST-343b Analytical Duplicate	0.05	3.59	25	170	2	1.77
BST-345-1 Field Duplicate	0.04	3.14	29	125	2	1.95
BST-345-2 Field Duplicate	0.03	2.57	27	239	1	2.07
BST-345b Analytical Duplicate (of 345-2)	0.03	2.65	30	242	1	2.13
BST-356a Analytical Duplicate	0.06	2.93	26	353	5	1.69
BST-356b Analytical Duplicate	0.05	3.03	25	336	4	2.04
BST-357a Analytical Duplicate	0.04	3.04	27	246	3	1.94
BST-357b Analytical Duplicate	0.04	3.01	31	242	3	1.91

ICP-AES Percentile Bubble Plots.



Legend

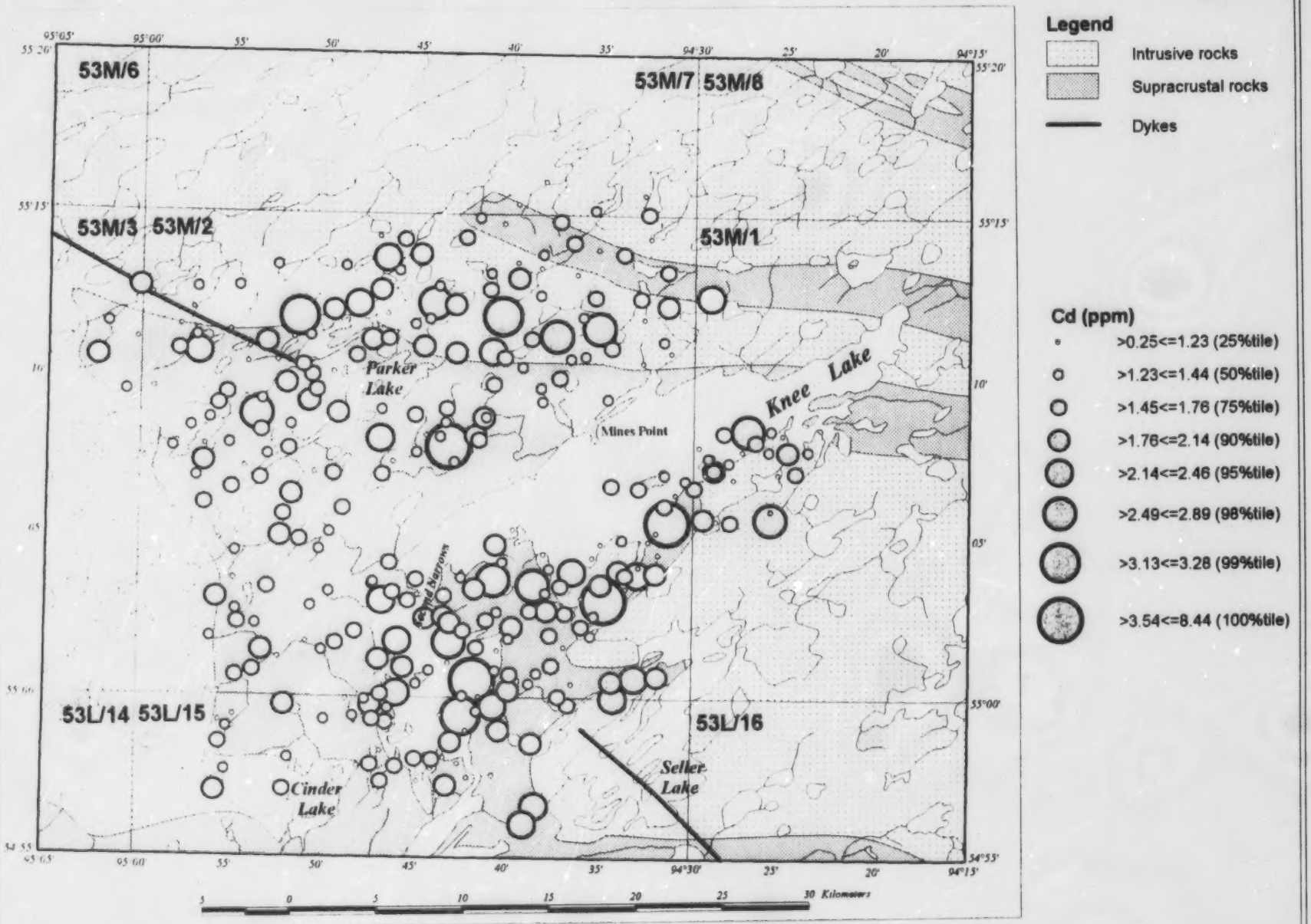
- Intrusive rocks
- Supracrustal rocks
- Dykes

Ag (ppm)

- >0.1<=0.8 (25%tile)
- >0.8<=1.0 (50%tile)
- >1.0<=1.3 (75%tile)
- >1.3<=1.5 (90%tile)
- >1.8<=1.8 (95%tile)
- >1.8<=2.0 (98%tile)
- >2.1<=2.1 (99%tile)
- >2.3<=2.5 (100%tile)

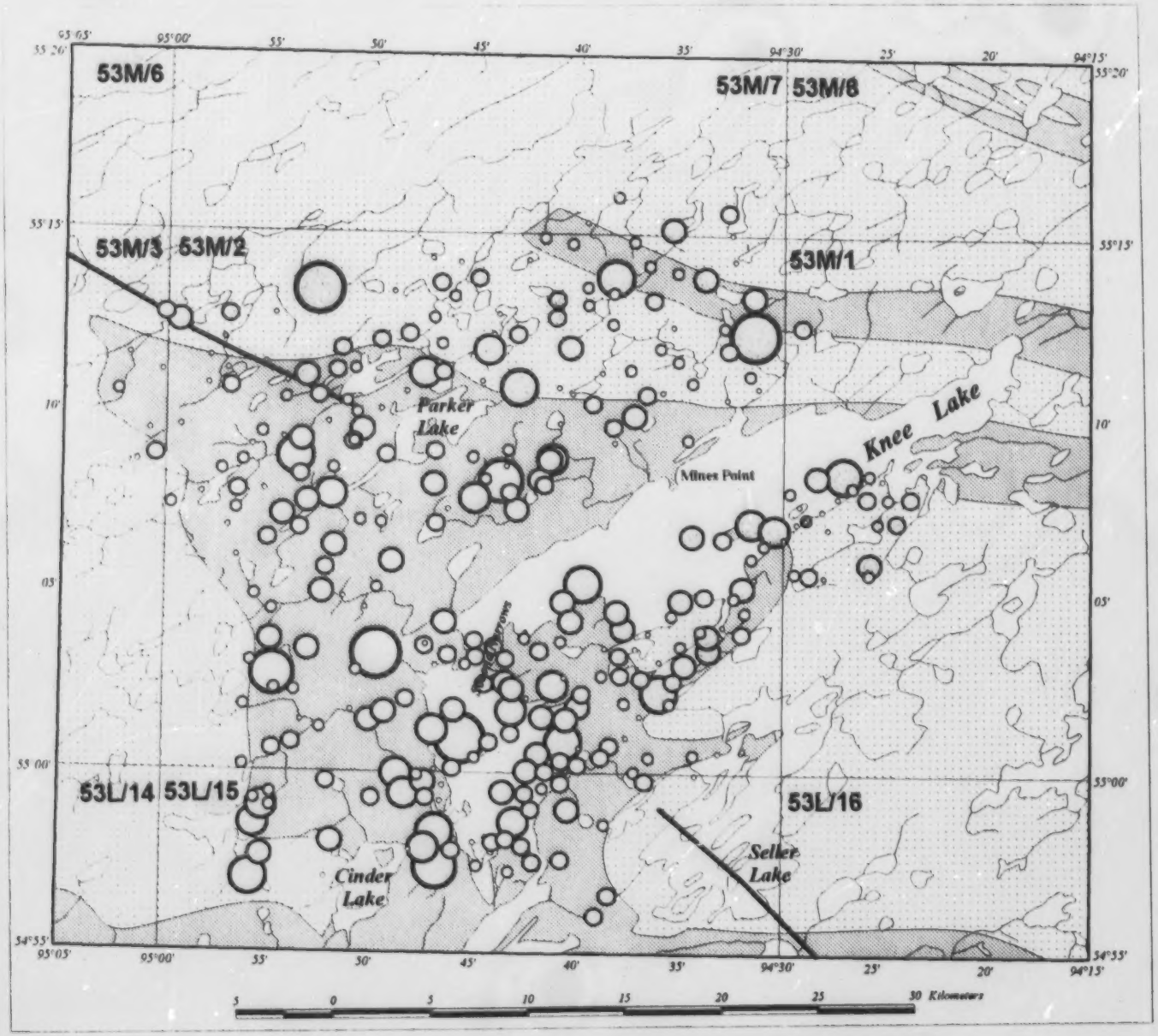
Black Spruce Crown Twigs 318 samples Ash/Aqua Regia Leach/ICP-AES

Appendix V-3-1



Black Spruce Crown Twigs 318 samples Ash/Aqua Regia Leach/ICP-AES

Appendix V-3-2



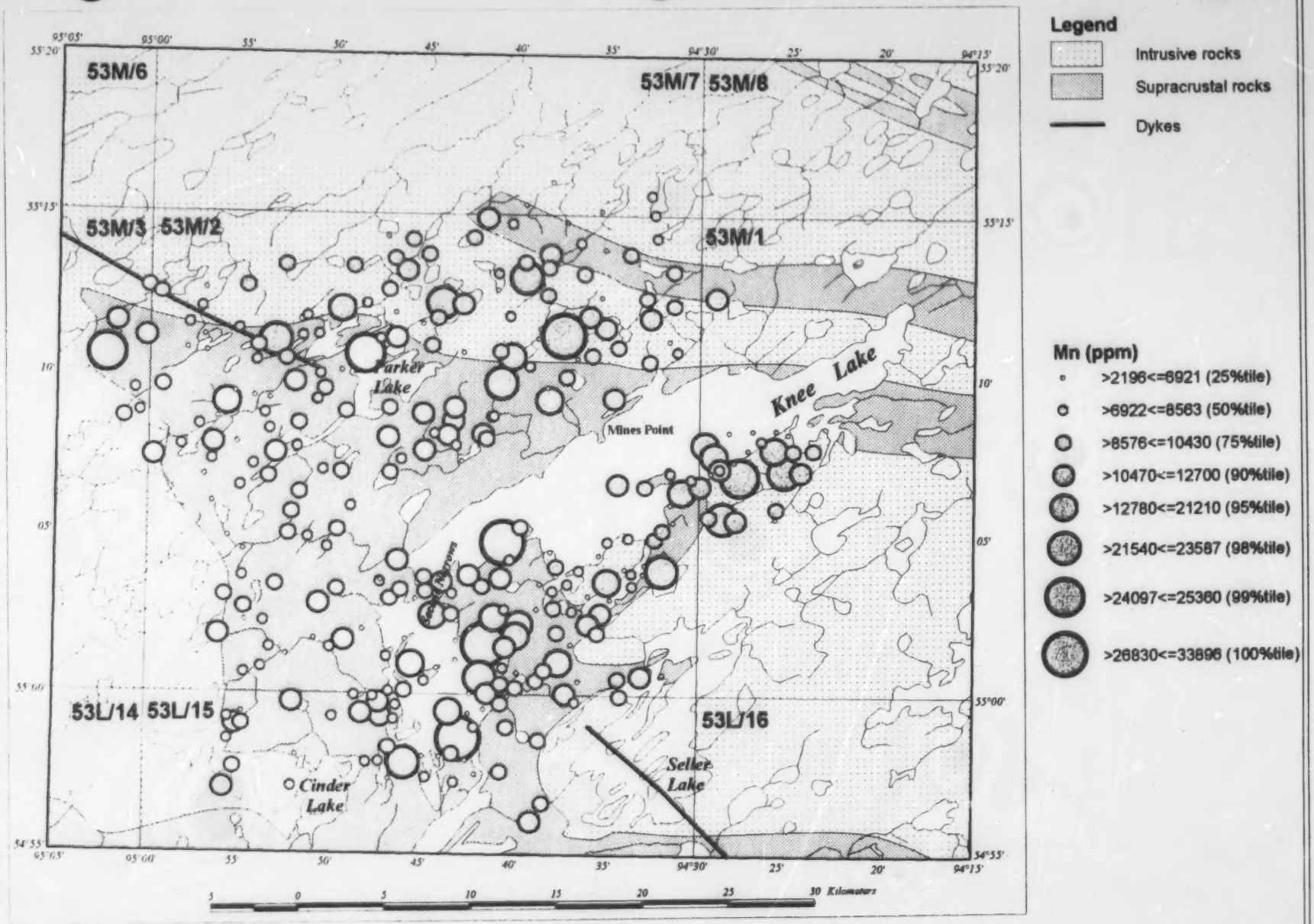
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

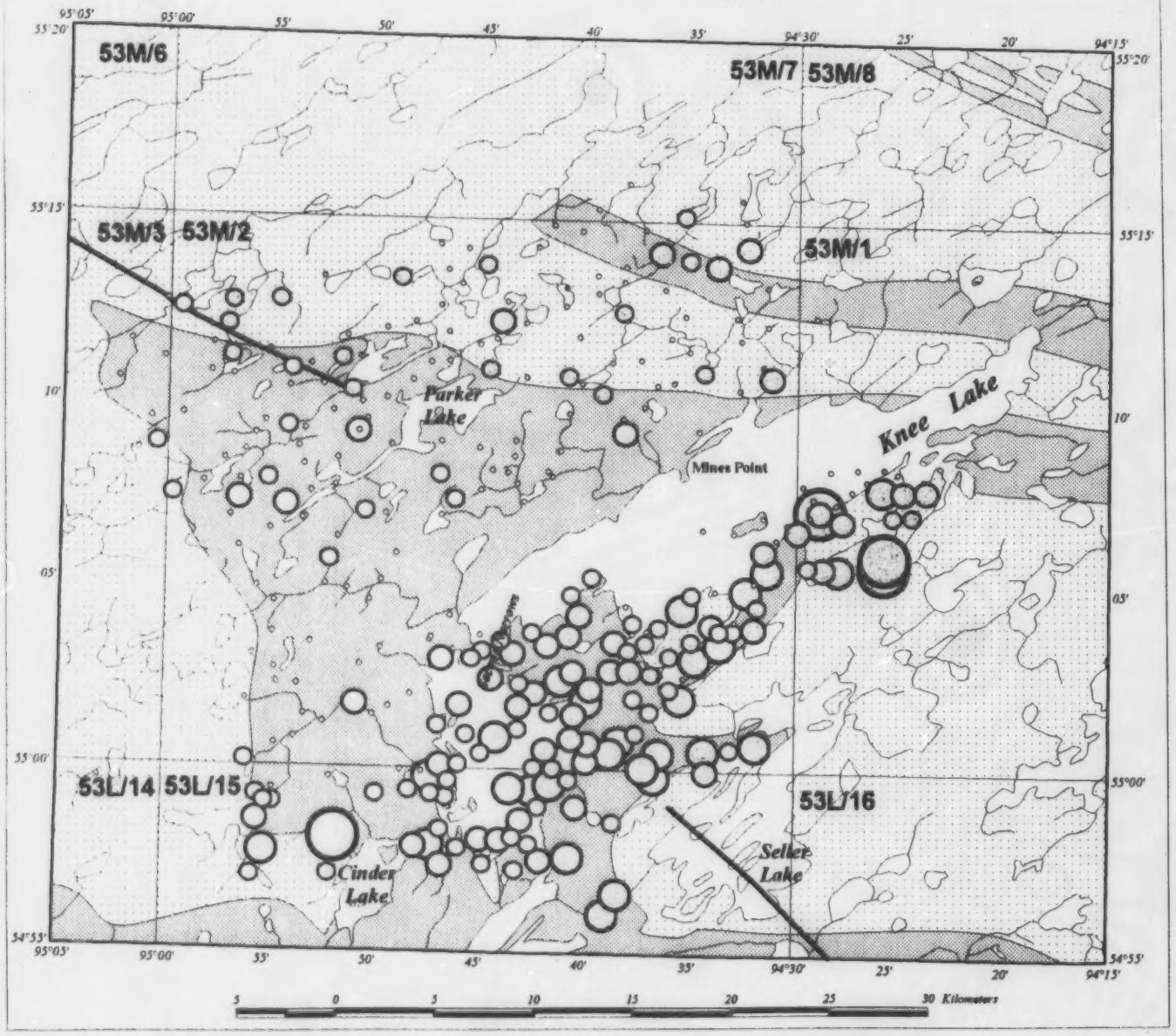
Cu (ppm)

- >70<=144 (25%tile)
- >145<=171 (50%tile)
- >171<=198 (75%tile)
- >199<=232 (90%tile)
- >232<=261 (95%tile)
- >262<=289 (98%tile)
- >292<=310 (99%tile)
- >314<=49189 (100%tile)

Black Spruce Crown Twigs 318 samples Ash/Aqua Regia Leach/ICP-AES



Black Spruce Crown Twigs 318 samples Ash/Aqua Regia Leach/ICP-AES



Legend

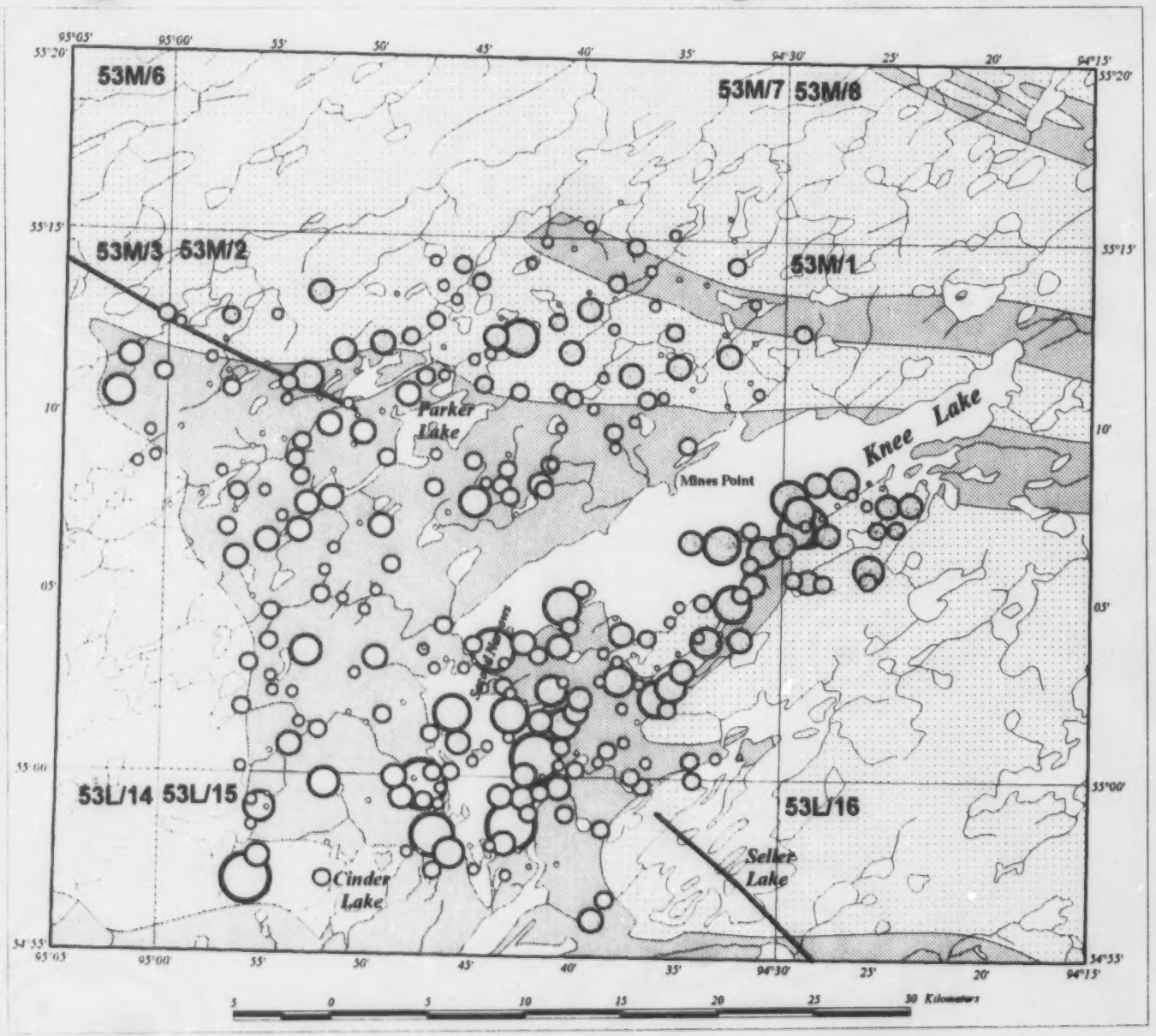
- Intrusive rocks
- Supracrustal rocks
- Dykes

Mo (ppm)

- >1<=1 (50%tile)
- >1<=2 (75%tile)
- >2<=3 (90%tile)
- >3<=3 (99%tile)
- >4<=8 (100%tile)

Black Spruce Crown Twigs 318 samples Ash/Aqua Regia Leach/ICP-AES

Appendix V-3-5



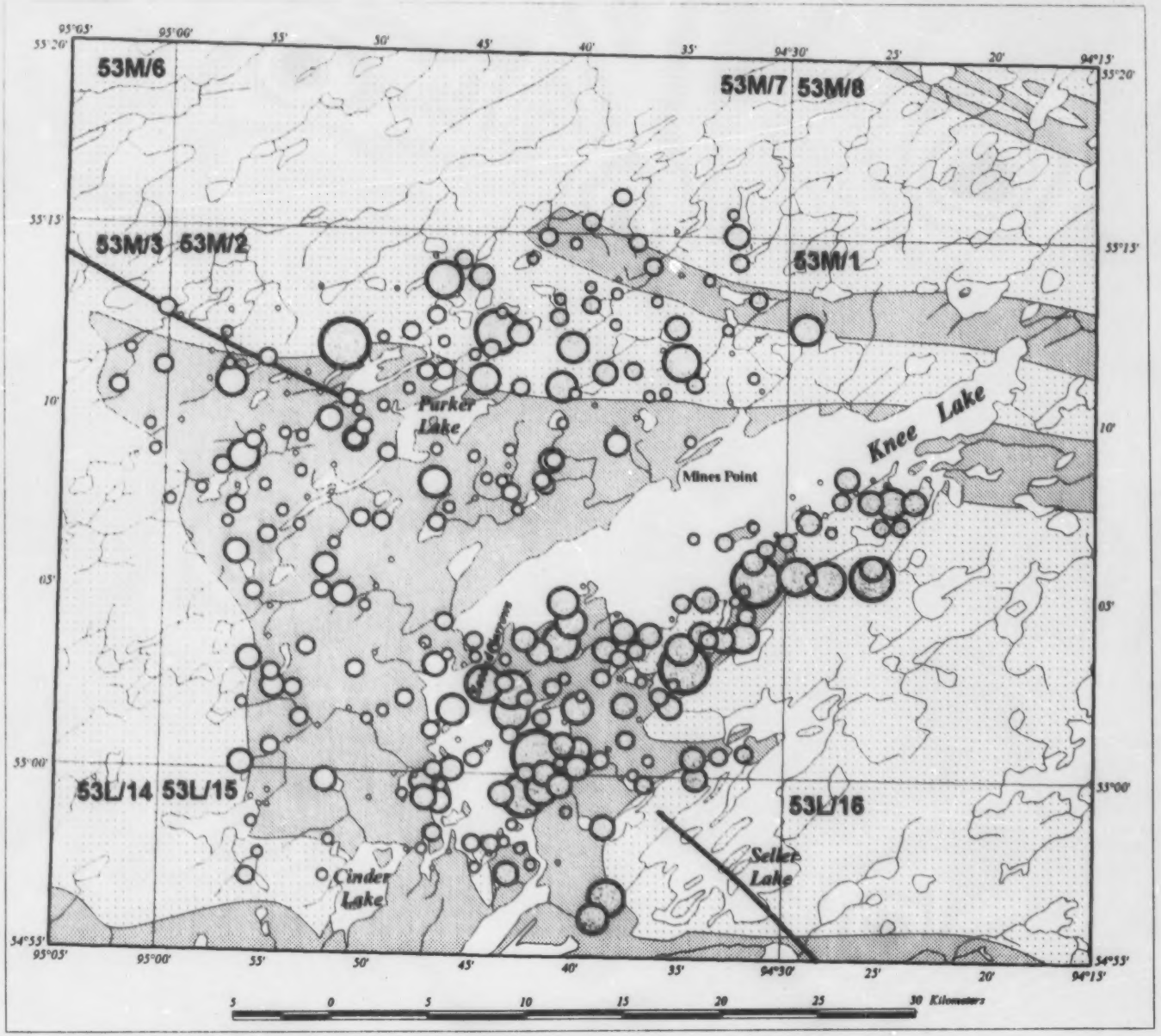
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Ni (ppm)

- >9<=33 (25%tile)
- >33<=46 (50%tile)
- >46<=68 (75%tile)
- >68<=90 (90%tile)
- >91<=111 (95%tile)
- >111<=136 (98%tile)
- >143<=146 (99%tile)
- >158<=197 (100%tile)

Black Spruce Crown Twigs 318 samples Ash/Aqua Regia Leach/ICP-AES



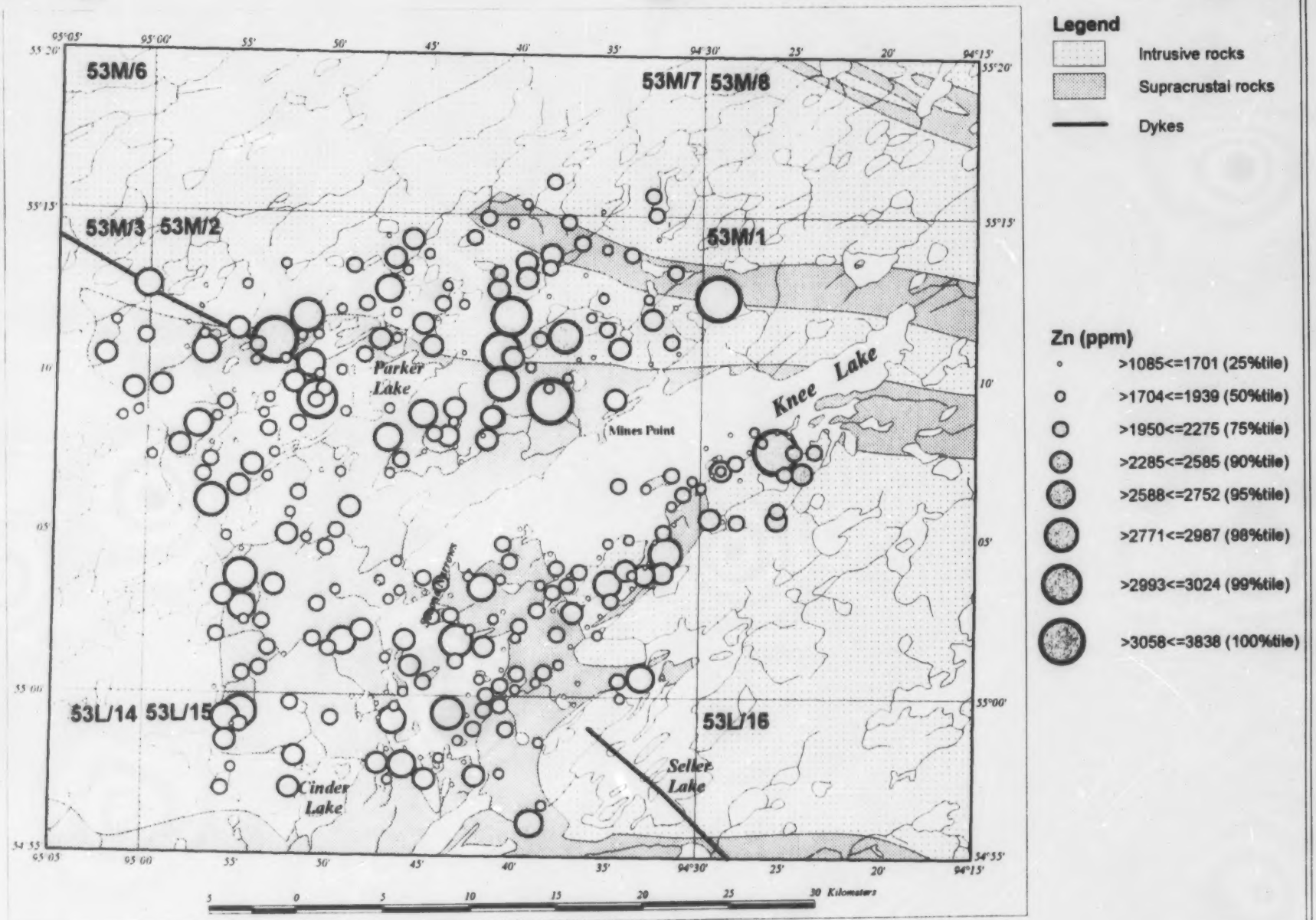
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Pb (ppm)

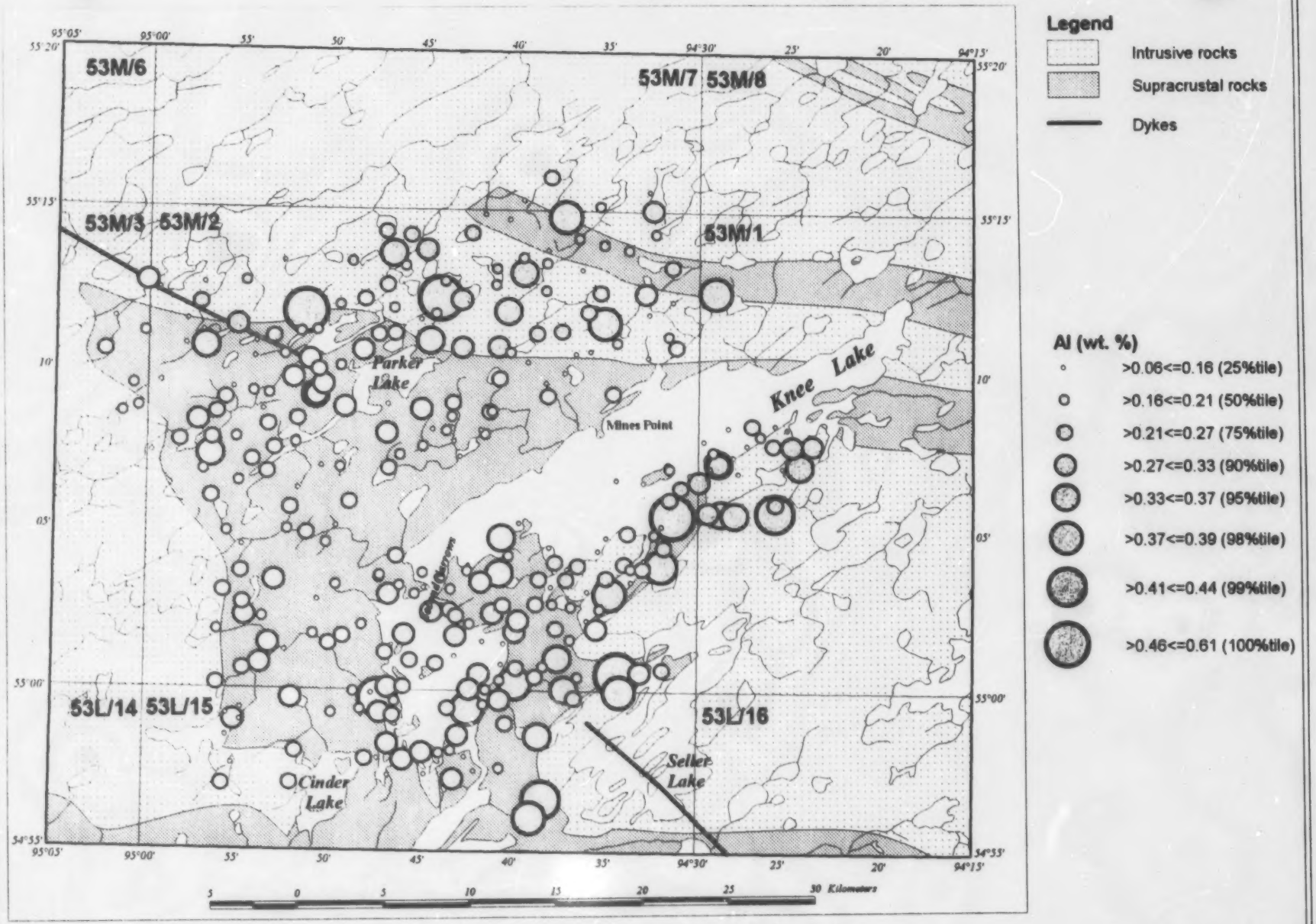
- >1<=8 (25%tile)
- >8<=10 (50%tile)
- >10<=14 (75%tile)
- >14<=19 (90%tile)
- >19<=22 (95%tile)
- >22<=28 (98%tile)
- >29<=31 (99%tile)
- >31<=43 (100%tile)

Black Spruce Crown Twigs 318 samples Ash/Aqua Regia Leach/ICP-AES

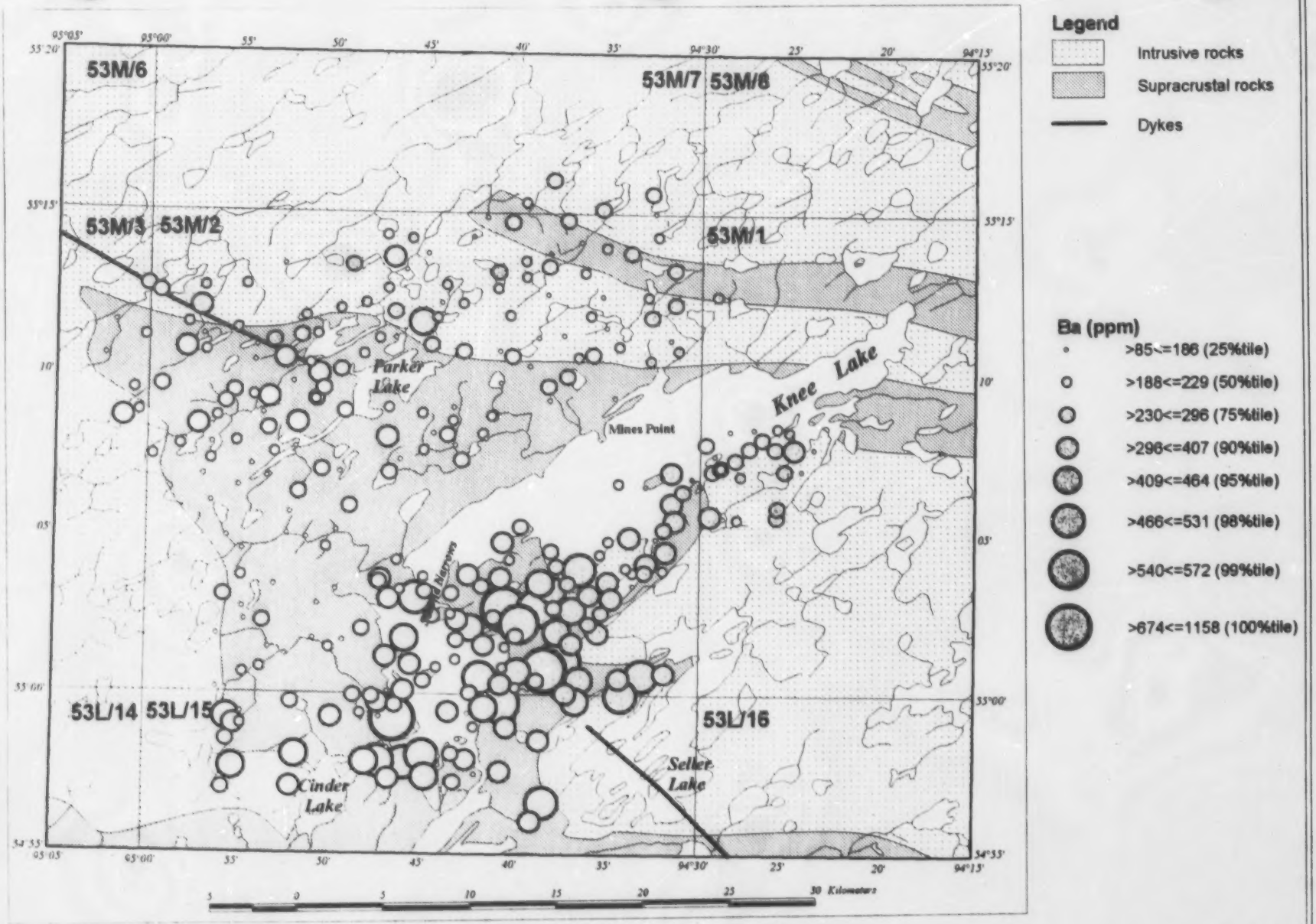


Black Spruce Crown Twigs 318 samples Ash/Aqua Regia Leach/ICP-AES

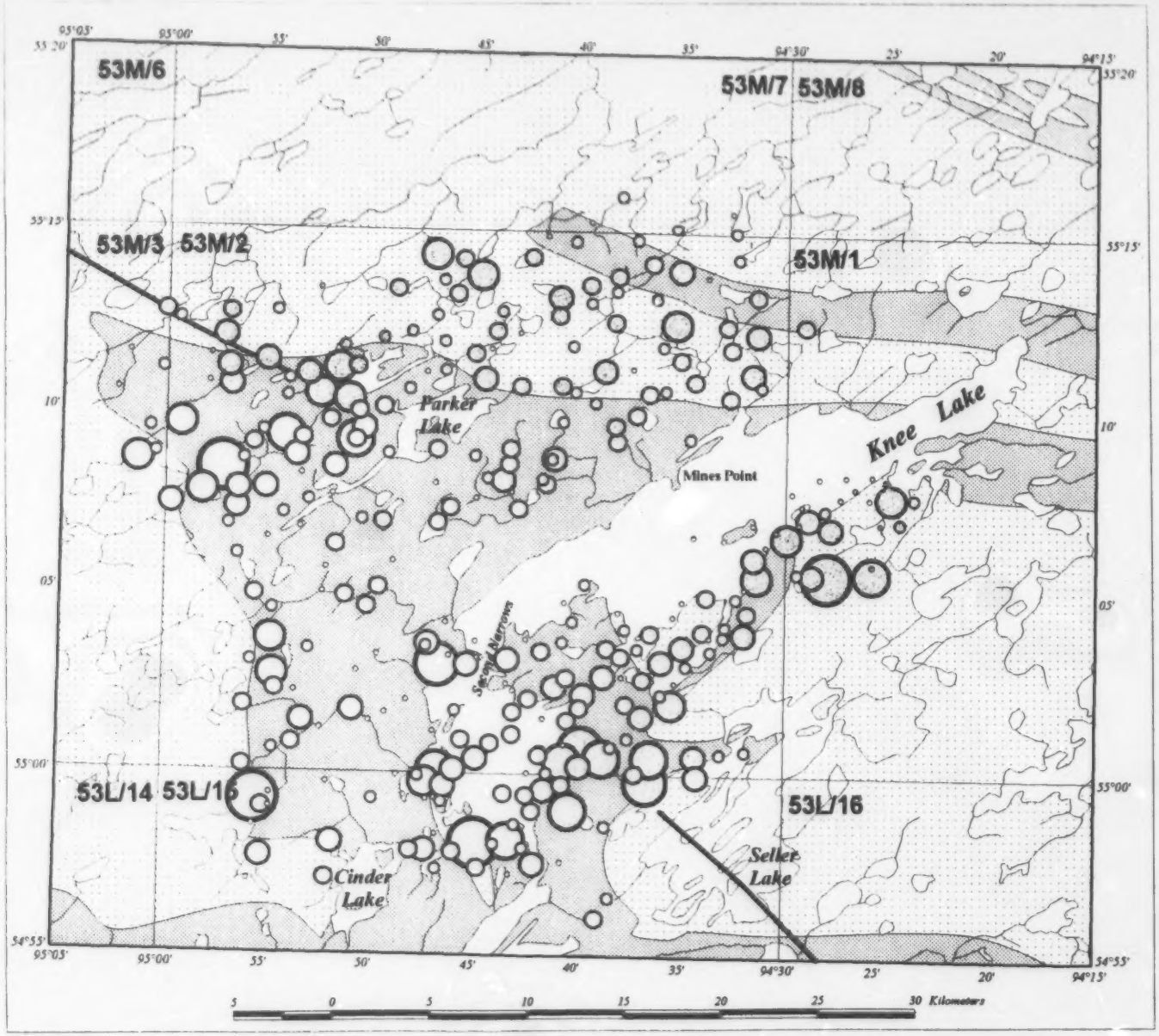
Appendix V-3-8



Black Spruce Crown Twigs 318 samples Ash/Aqua Regia Leach/ICP-AES



Black Spruce Crown Twigs 318 samples Ash/Aqua Regia Leach/ICP-AES



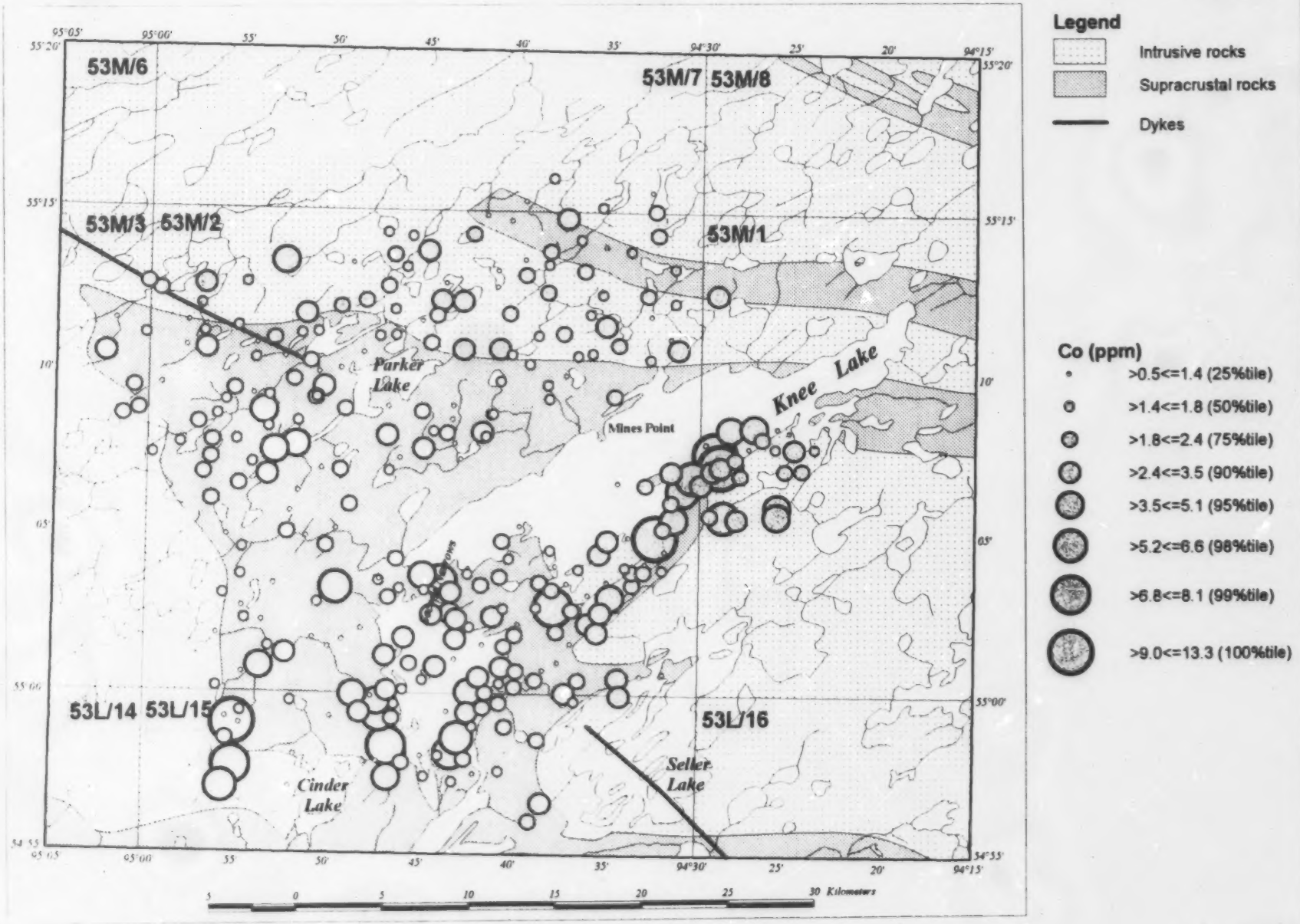
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

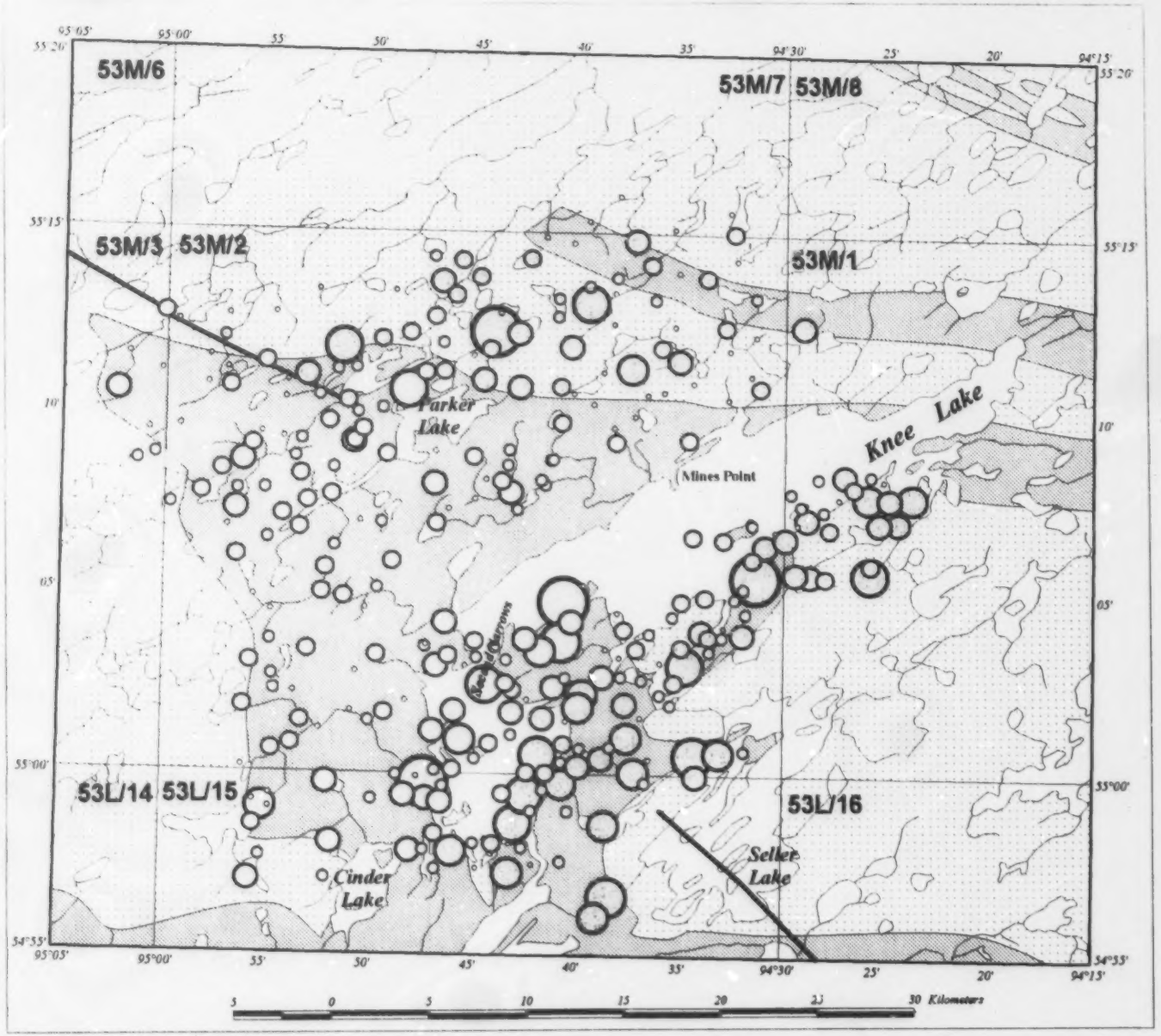
Ca (wt. %)

- >11.7<=21.6 (25%tile)
- >21.6<=23.6 (50%tile)
- >23.6<=25.8 (75%tile)
- >25.8<=27.7 (90%tile)
- >27.8<=28.9 (95%tile)
- >28.9<=30.4 (98%tile)
- >30.4<=30.7 (99%tile)
- >30.7<=31.4 (100%tile)

Black Spruce Crown Twigs 318 samples Ash/Aqua Regia Leach/ICP-AES



Black Spruce Crown Twigs 318 samples Ash/Aqua Regia Leach/ICP-AES



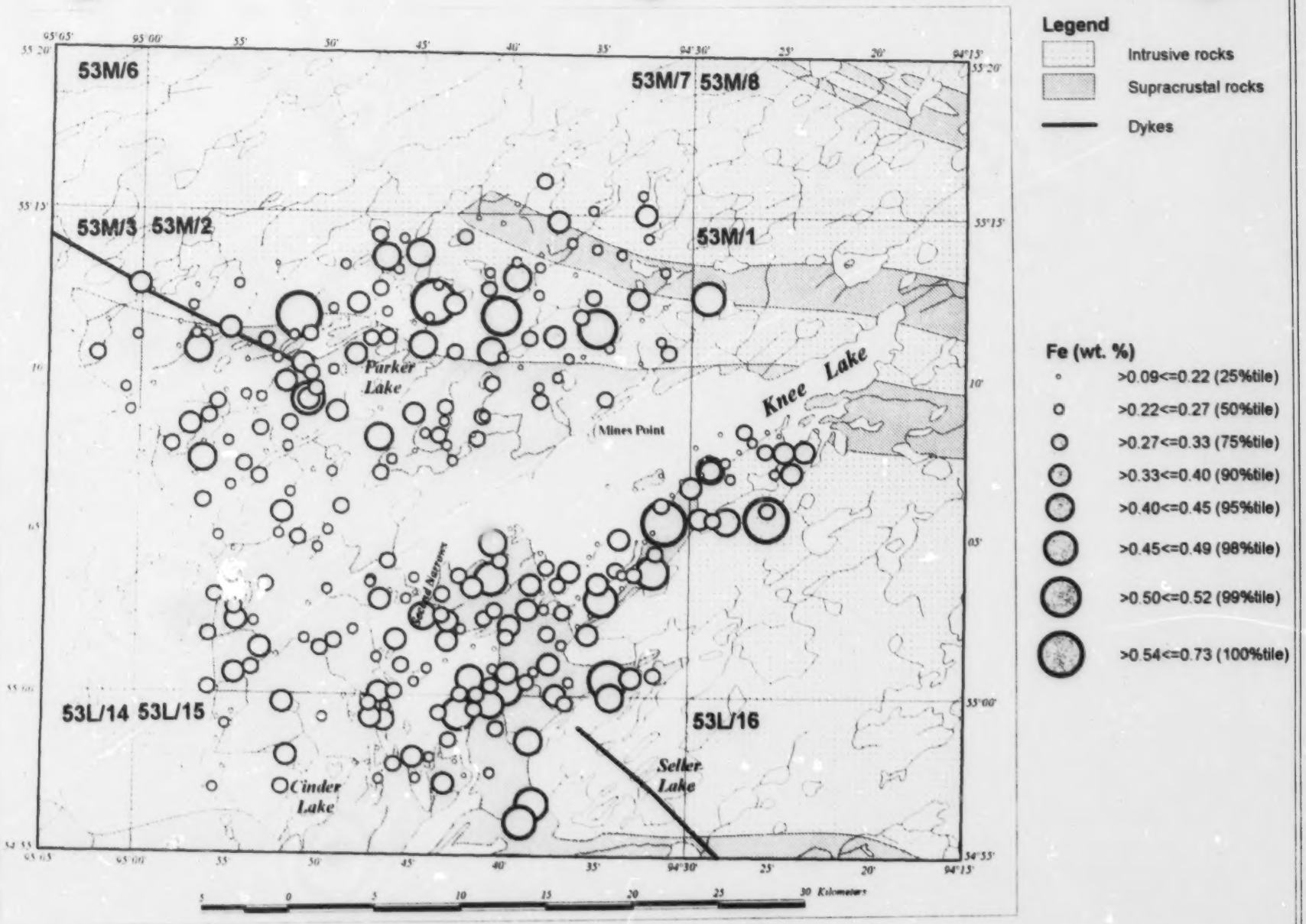
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

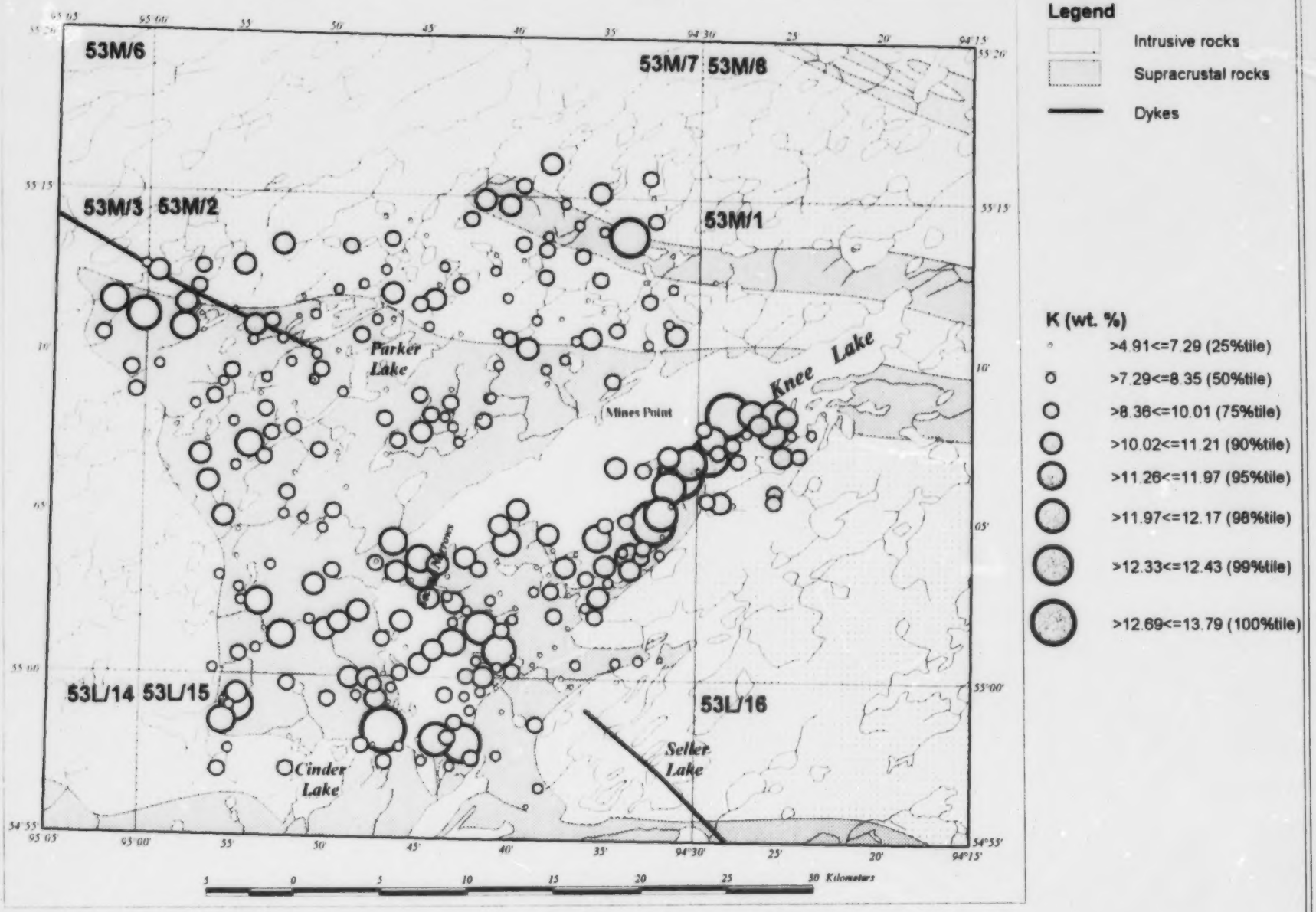
Cr (ppm)

- >4<=6 (25%tile)
- >6<=6 (50%tile)
- >6<=7 (75%tile)
- >7<=8 (90%tile)
- >8<=9 (95%tile)
- >9<=9 (99%tile)
- >10<=11 (100%tile)

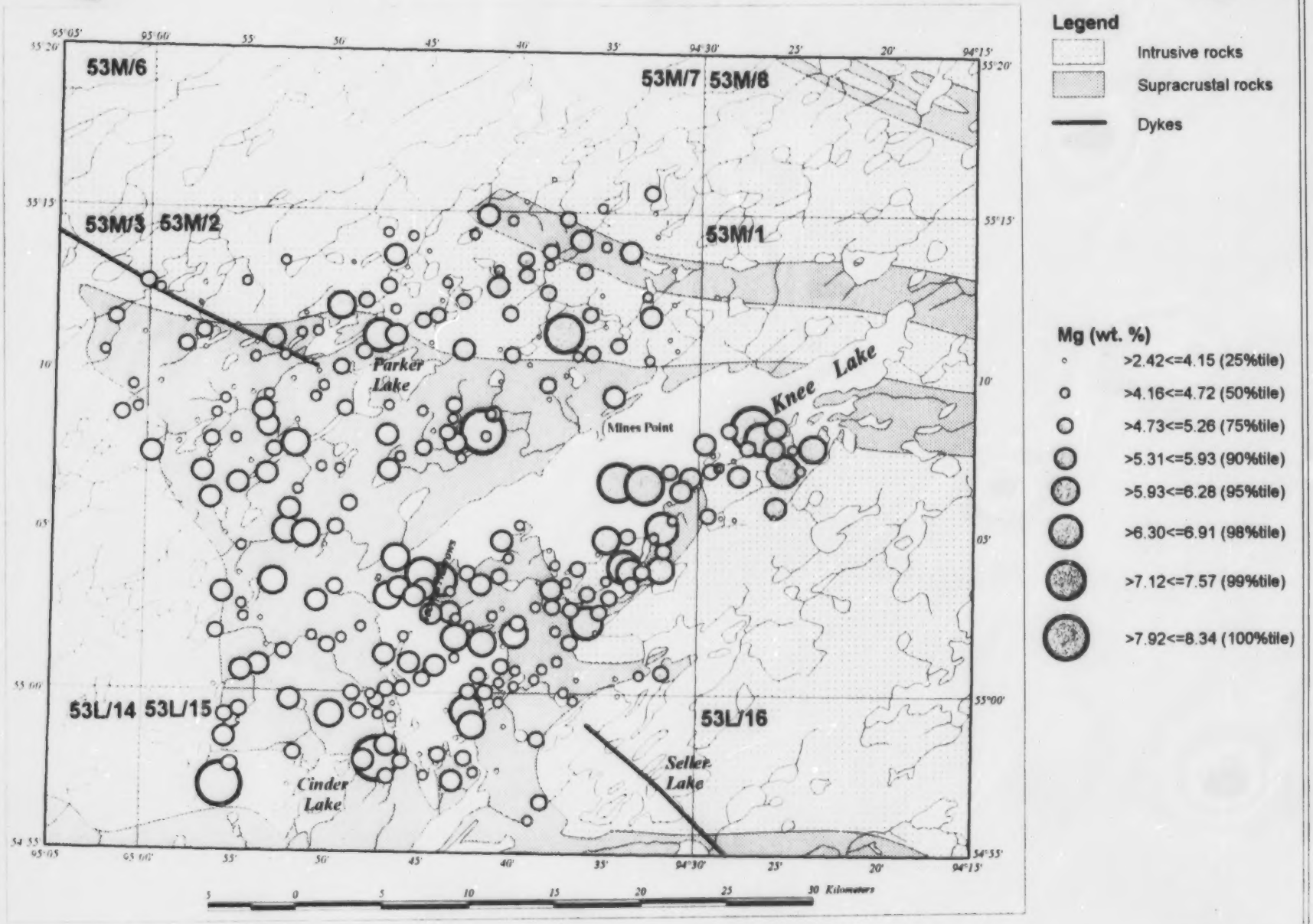
Black Spruce Crown Twigs 318 samples Ash/Aqua Regia Leach/ICP-AES



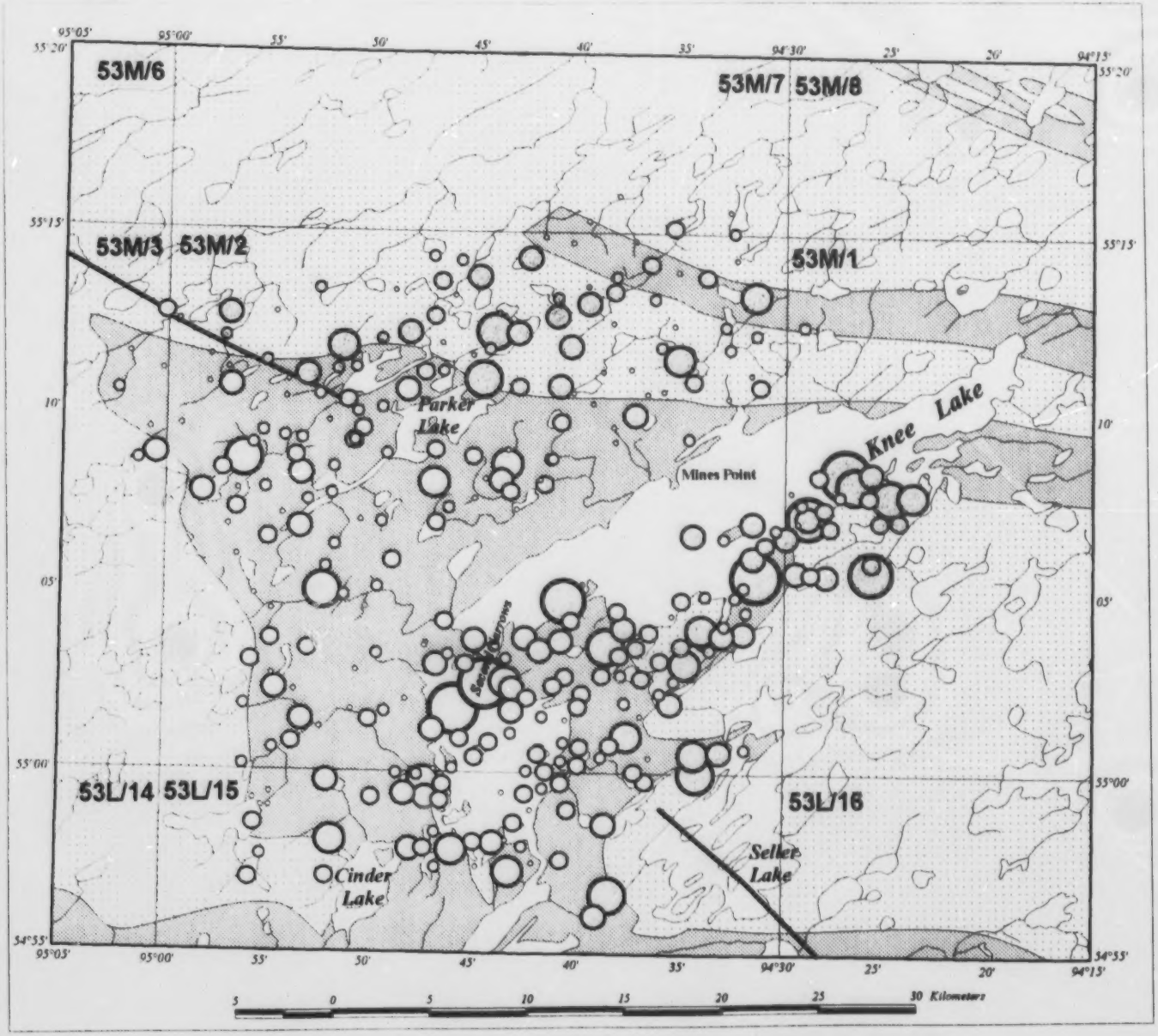
Black Spruce Crown Twigs 318 samples Ash/Aqua Regia Leach/ICP-AES



Black Spruce Crown Twigs 318 samples Ash/Aqua Regia Leach/ICP-AES



Black Spruce Crown Twigs 318 samples Ash/Aqua Regia Leach/ICP-AES



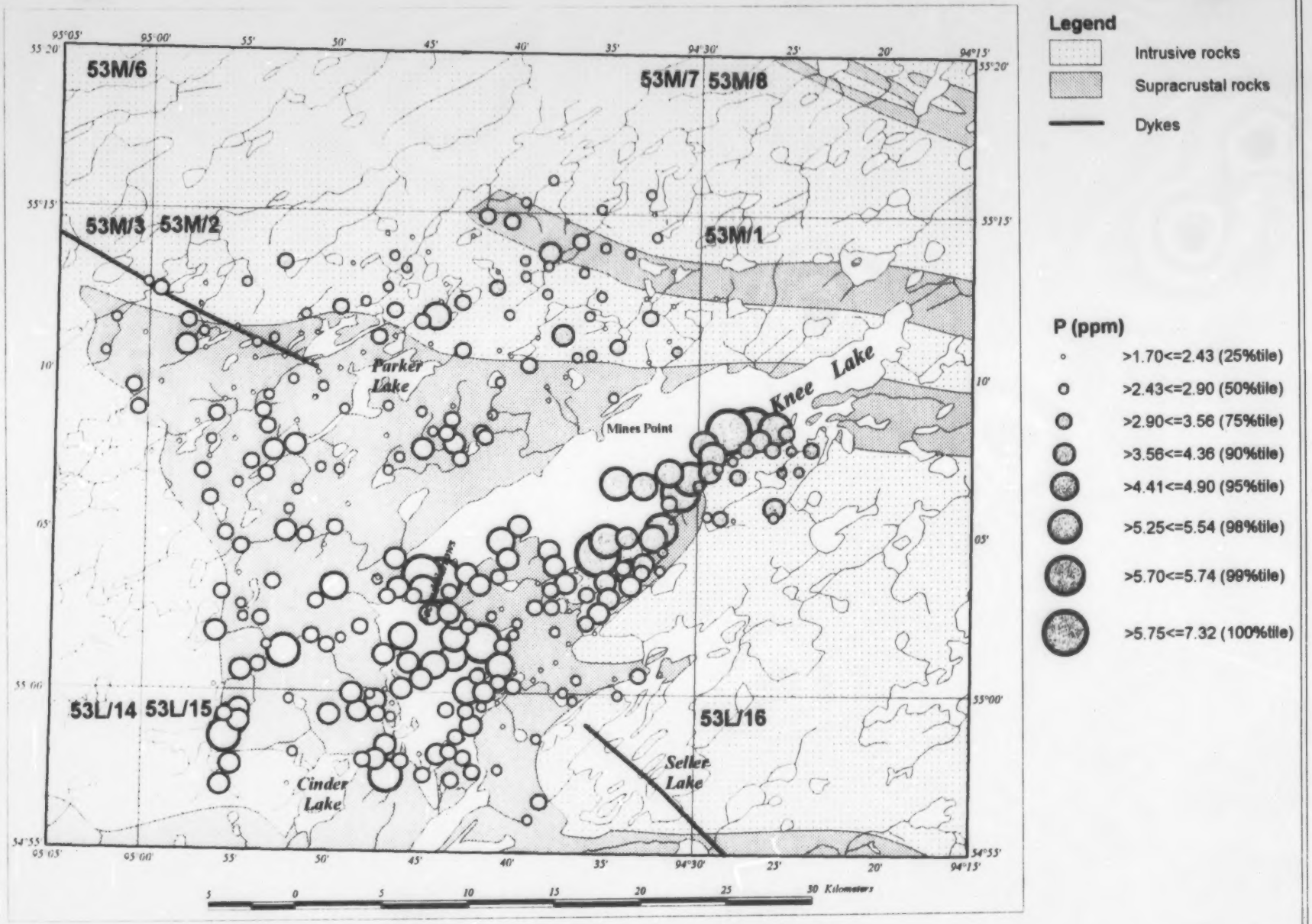
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

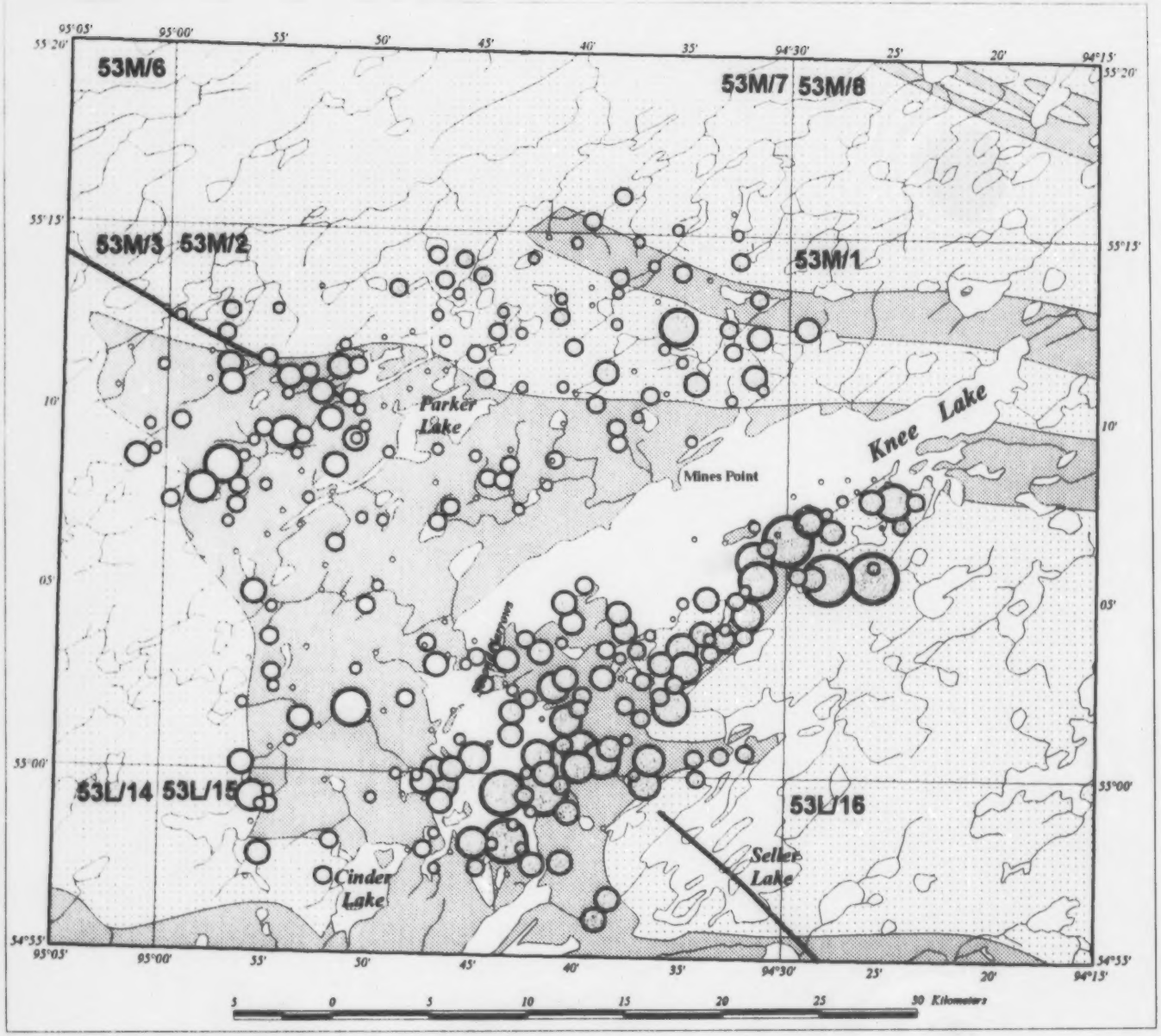
Na (wt. %)

- >0.04<=0.07 (25%tile)
- >0.07<=0.08 (50%tile)
- >0.08<=0.10 (75%tile)
- >0.10<=0.13 (90%tile)
- >0.13<=0.15 (95%tile)
- >0.15<=0.18 (98%tile)
- >0.18<=0.21 (99%tile)
- >0.21<=0.26 (100%tile)

Black Spruce Crown Twigs 318 samples Ash/Aqua Regia Leach/ICP-AES



Black Spruce Crown Twigs 318 samples Ash/Aqua Regia Leach/ICP-AES



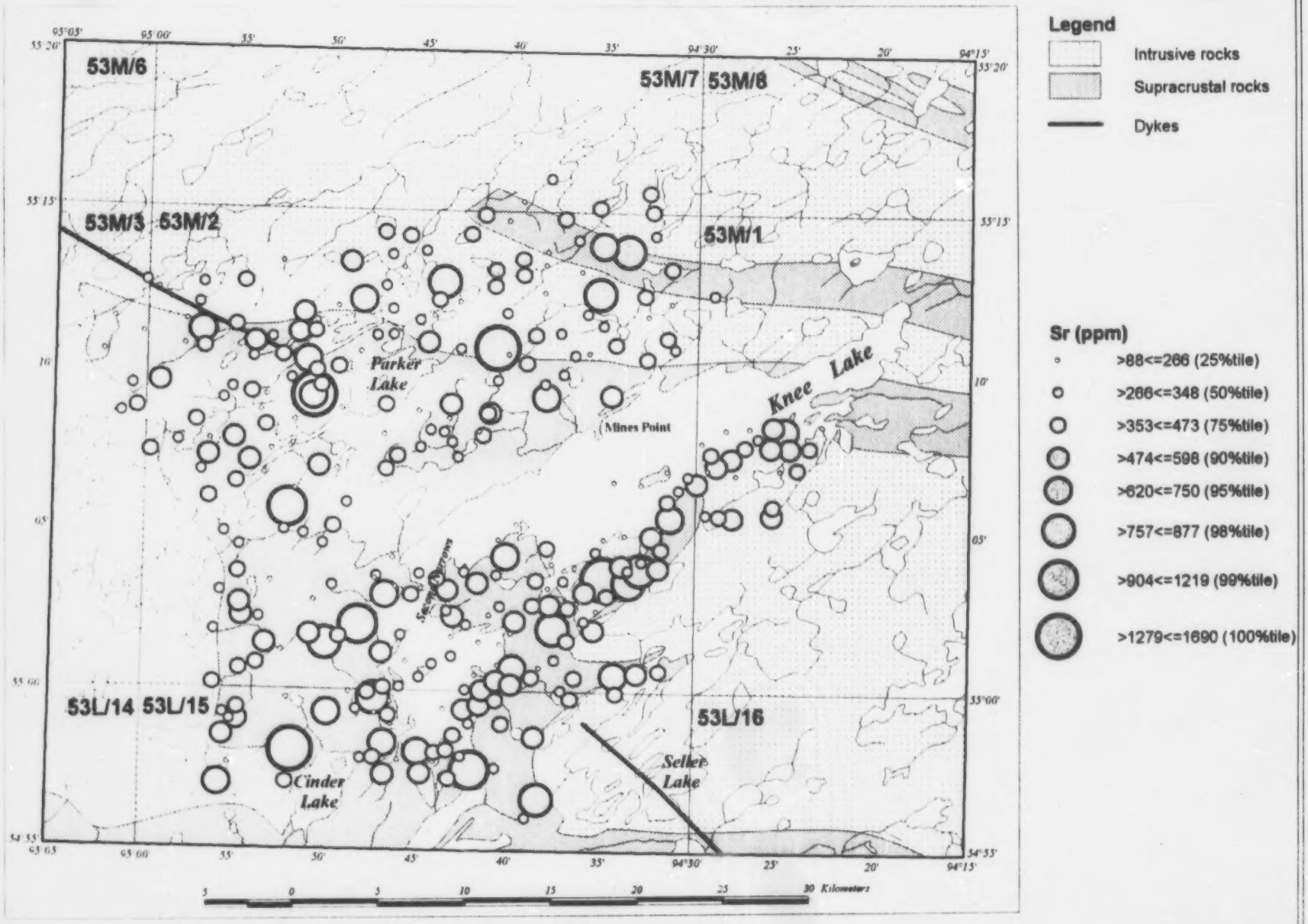
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

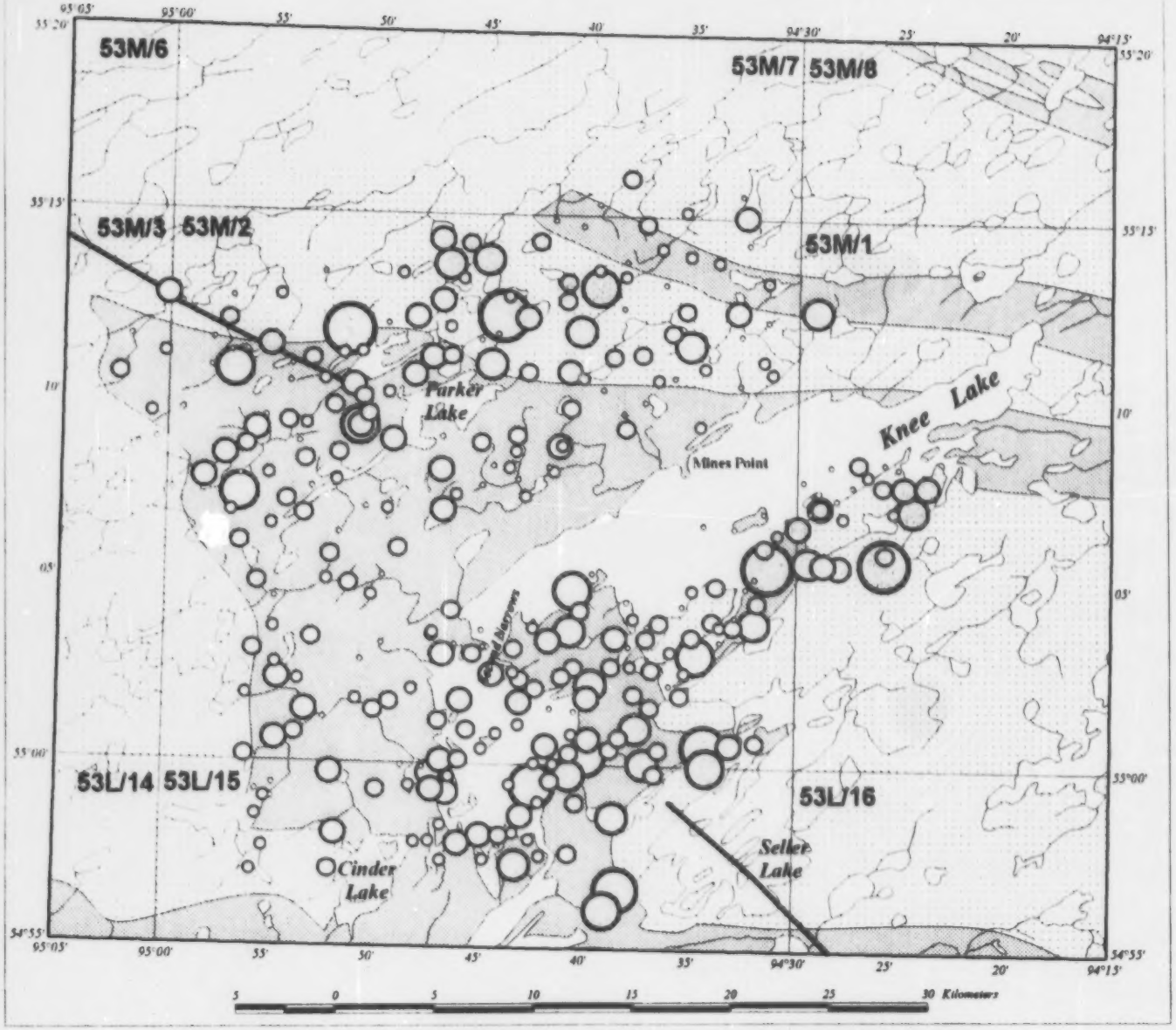
Sn (ppm)

- >1<=27 (25%tile)
- >27<=31 (50%tile)
- >31<=35 (75%tile)
- >35<=40 (90%tile)
- >40<=44 (95%tile)
- >44<=48 (98%tile)
- >49<=49 (99%tile)
- >50<=54 (100%tile)

Black Spruce Crown Twigs 318 samples Ash/Aqua Regia Leach/ICP-AES



Black Spruce Crown Twigs 318 samples Ash/Aqua Regia Leach/ICP-AES



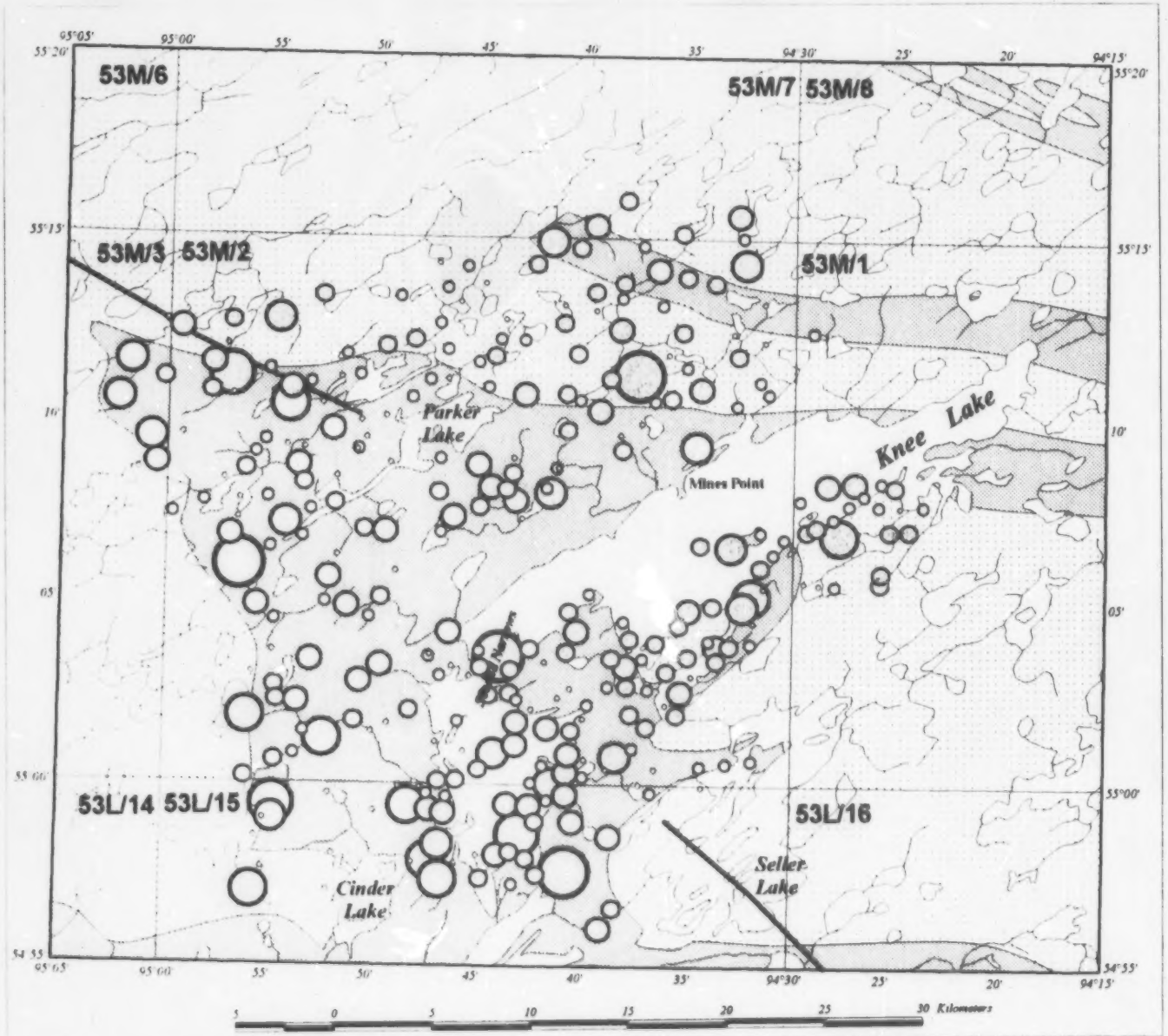
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

V (ppm)

- >1<=3 (25%tile)
- >3<=4 (50%tile)
- >4<=6 (75%tile)
- >6<=7 (90%tile)
- >7<=8 (95%tile)
- >8<=8 (98%tile)
- >8<=9 (99%tile)
- >10<=14 (100%tile)

Black Spruce Crown Twigs 318 samples Ash/Aqua Regia Leach/ICP-AES



Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

S (ppm)

- >0.54<=1.04 (25%tile)
- >1.04<=1.40 (50%tile)
- >1.41<=1.85 (75%tile)
- >1.85<=2.18 (90%tile)
- >2.18<=2.39 (95%tile)
- >2.40<=2.59 (98%tile)
- >2.60<=2.64 (99%tile)
- >2.82<=3.10 (100%tile)

Black Spruce Crown Twigs 318 samples Ash/Aqua Regia Leach/ICP-AES

Appendix V-4

INA Analyses - Ashed Samples.

Sample ID	UTM		Ash	Au	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	K	Mo	Na	Ni	Rb	Sb	Sc
	Easting	Northing	%	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
BST-1	376811.59	6095036.00	2.02	12	1.6	650	31	33.1	3	4	5.7	0.17	0.25	12.4	1	774	25	280	0.2	0.3
BST-2	377219.03	6094650.00	1.79	8	1.2	1200	27	29.7	18	1	6.3	0.22	0.25	15.5	1	875	25	340	0.3	0.5
BST-3	376792.44	6093754.00	1.68	19	1.4	1700	21	19.6	3	4	1.2	0.22	0.25	21.9	1	972	25	140	0.3	0.4
BST-4	377113.03	6092150.50	1.93	8	0.9	880	20	28.3	8	1	1.3	0.17	0.25	14.8	1	755	25	200	0.4	0.4
BST-5	376519.25	6090956.50	1.55	10	0.9	1500	31	23.3	10	2	28.0	0.23	0.60	16.5	1	1110	130	690	0.5	0.5
BST-6	380742.38	6092790.50	2.04	3	2.4	870	24	30.2	2	6	1.0	0.34	0.25	13.8	1	1750	25	150	0.3	0.8
BST-7	380452.84	6090959.50	1.95	3	2.9	720	34	26.1	3	4	4.6	0.31	0.25	18.3	1	1350	25	350	0.3	0.7
BST-8a Analytical Duplicate	384794.28	6092294.50	1.85	7	1.3	720	31	29.6	3	4	2.5	0.20	0.25	17.8	1	1210	25	280	0.3	0.5
BST-8b Analytical Duplicate	384794.28	6092294.50	1.90	10	1.7	650	30	27.2	3	1	2.9	0.17	0.25	17.5	1	1220	59	260	0.2	0.4
BST-10	386124.94	6091321.50	1.79	20	3.4	1400	37	25.1	8	1	0.5	0.23	0.25	18.6	1	1210	25	110	0.3	0.6
BST-12	386406.75	6094751.50	1.78	18	2.5	720	8	25.2	2	4	5.0	0.23	0.25	13.0	1	1160	25	370	0.3	0.5
BST-13	382872.97	6094968.00	1.73	19	3.5	710	16	26.5	3	8	0.8	0.47	0.70	14.0	1	2100	59	160	0.6	1.1
BST-14	384536.25	6095146.50	1.62	11	2.6	1400	17	22.2	3	6	3.6	0.26	0.25	17.7	1	1180	25	280	0.3	0.6
BST-15	385545.63	6095757.00	1.64	22	2.2	950	30	23.8	5	4	6.9	0.24	0.25	15.9	1	1120	25	350	0.3	0.5
BST-16-1 Field Duplicate	389243.59	6093479.00	1.70	7	2.3	2300	26	25.9	6	8	8.2	0.26	0.80	15.0	1	1270	110	480	0.3	0.6
BST-16-2 Field Duplicate	389243.59	6093479.00	2.03	13	1.4	1600	27	26.0	5	7	5.6	0.31	0.25	14.2	1	1620	25	450	0.5	0.7
BST-17	388099.72	6092595.00	2.18	9	2.1	960	30	32.2	3	6	2.9	0.32	0.25	9.7	1	1480	25	130	0.3	0.9
BST-18	386987.81	6092178.00	1.81	12	1.2	360	43	23.9	4	6	2.6	0.31	0.60	15.1	1	1820	25	130	0.3	0.8
BST-24	389871.75	6091013.50	1.50	10	2.1	1300	31	23.5	3	7	1.9	0.38	0.25	15.7	1	2060	25	120	0.5	1.0
BST-25	388257.63	6091353.50	1.74	8	1.1	810	40	27.4	3	5	1.3	0.24	0.25	18.4	1	1060	25	140	0.2	0.6
BST-28	392562.69	6091566.00	1.57	3	2.2	900	38	27.9	4	7	3.9	0.30	0.60	17.4	3	1450	25	260	0.4	0.7
BST-29	392950.53	6094153.50	1.93	7	2.4	1300	37	29.6	4	8	1.3	0.38	0.25	12.2	1	1490	25	140	0.3	0.9
BST-30a Analytical Duplicate	387156.56	6099410.50	1.86	11	3.0	610	45	24.0	4	9	2.4	0.39	0.25	19.9	1	2690	100	240	0.8	0.9
BST-30b Analytical Duplicate	387156.56	6099410.50	1.84	17	2.0	630	40	21.9	4	7	2.3	0.40	0.25	20.1	4	2830	120	220	0.7	0.9
BST-31	386046.34	6098399.00	1.62	20	2.0	1700	31	24.5	5	4	1.5	0.26	0.25	19.7	1	1280	25	230	0.4	0.6
BST-33	387468.13	6097904.00	1.71	7	2.2	620	13	23.9	4	6	5.4	0.31	0.25	12.8	1	1150	25	190	0.3	0.6
BST-34	387794.94	6101729.00	1.97	9	2.2	720	28	29.8	3	4	3.1	0.25	0.25	12.9	1	1110	25	170	0.4	0.6
BST-35-1 Field Duplicate	386267.97	6101746.50	1.96	9	2.3	1000	11	26.7	3	7	4.3	0.35	0.60	13.9	1	1630	25	170	0.5	0.9
BST-35 2 Field Duplicate	386267.97	6101746.50	2.39	11	2.0	2100	13	34.1	3	6	5.9	0.34	0.60	10.0	3	1720	25	190	0.3	0.8
BST-37	394285.81	6088654.00	1.54	13	2.1	820	58	25.3	5	7	2.7	0.55	0.90	13.5	1	2130	62	110	0.5	1.3
BST-38	394987.06	6089686.50	1.49	11	2.6	850	22	26.1	6	9	3.8	0.56	0.90	16.9	1	2710	25	180	0.5	1.7
BST-39	394829.91	6093366.00	1.79	12	2.5	1100	42	25.4	4	9	1.5	0.49	0.80	19.3	1	1960	25	120	0.4	1.4
BST-40	396930.69	6095529.50	1.73	13	1.3	890	20	33.7	4	7	2.3	0.33	0.25	12.5	1	1280	76	200	0.4	1.0
BST-41	397175.34	6096765.50	1.98	10	0.7	680	37	30.9	4	5	2.1	0.23	0.70	15.6	1	917	57	180	0.2	0.7
BST-42	392622.44	6095510.50	1.81	13	2.2	960	31	30.1	4	9	1.8	0.47	0.25	13.2	1	1720	25	110	0.4	1.4
BST-43	399444.06	6096834.00	1.84	22	2.1	960	61	30.5	7	10	2.5	0.60	1.10	14.3	1	2310	25	170	0.6	1.8
BST-44	396369.22	6096019.00	1.89	18	2.1	890	18	28.1	5	9	2.1	0.46	0.70	12.1	1	1850	58	140	0.3	1.4
BST-45	395159.84	6097386.00	1.63	15	0.7	520	28	28.8	5	6	1.6	0.31	0.90	16.0	1	1390	25	130	0.4	0.8
BST-46	396015.28	6097819.50	1.67	14	1.8	790	25	27.2	4	11	1.5	0.54	0.25	16.3	1	2400	25	160	0.6	1.4
BST-47	396755.06	6098921.50	1.85	7	2.0	930	19	30.6	3	6	1.0	0.28	0.25	15.3	2	1160	25	120	0.3	0.8
BST-48	395938.59	6099589.00	1.68	12	2.3	840	54	26.2	5	7	2.0	0.36	0.60	18.7	1	1320	83	200	0.3	1.1
BST-49	396828.66	6100814.00	1.95	19	2.6	840	18	29.7	4	7	1.3	0.35	0.60	11.6	1	1990	25	74	0.3	1.1
BST-50-1 Field Duplicate	394790.84	6100997.50	1.82	8	2.7	680	20	30.3	3	5	0.9	0.36	0.80	13.5	1	1580	25	57	0.4	1.0
BST-50-2 Field Duplicate	394790.84	6100997.50	1.80	9	2.0	670	19	30.0	3	7	0.9	0.41	0.60	13.1	1	1640	25	57	0.4	1.1
BST-51	393755.47	6100100.50	1.83	5	2.5	950	18	28.3	4	6	1.6	0.39	0.70	11.7	1	1590	25	170	0.5	1.2
BST-52	400768.63	6096955.50	1.52	9	1.3	420	32	26.8	3	8	1.8	0.40	0.25	14.4	1	1750	25	190	0.6	1.1

Sample ID	UTM		Ash	Au	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	K	Mo	Na	Ni	Rb	Sb	Sc
	Easting	Northing	%	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
BST-53-1 Field Duplicate	399544.66	6095816.50	1.80	16	2.0	560	24	29.4	3	5	8.8	0.25	0.25	11.5	1	1240	25	350	0.4	0.7
BST-53-2 Field Duplicate	399544.66	6095816.50	1.88	10	2.6	1200	43	28.5	5	11	3.9	0.45	0.50	13.1	1	2370	25	310	0.4	1.3
BST-54	402068.50	6097093.50	1.86	10	1.8	690	17	28.2	3	5	3.1	0.36	0.60	13.0	1	1410	25	130	0.3	0.9
BST-55	390952.91	6099942.50	1.87	9	1.3	420	18	26.5	3	4	1.1	0.29	0.25	15.1	2	1260	25	100	0.4	0.8
BST-56	397265.06	6103193.00	1.79	13	2.2	490	26	27.4	4	8	2.7	0.42	0.70	10.4	1	1750	54	130	0.4	1.3
BST-57	395006.56	6102457.50	1.65	21	3.0	1100	33	28.3	4	7	1.0	0.50	0.90	14.4	1	3070	25	110	0.6	1.3
BST-58	395716.94	6102027.50	1.67	37	0.9	570	22	25.8	4	3	6.2	0.27	0.25	17.0	1	1470	63	290	0.4	0.5
BST-59	392717.81	6102808.00	1.99	15	2.9	710	46	22.0	5	9	3.9	0.59	0.90	17.5	3	2450	25	180	0.6	1.5
BST-60	395773.38	6101007.00	1.81	14	1.8	1600	31	22.0	11	3	1.1	0.28	0.25	22.1	1	1140	68	130	0.3	0.6
BST-61	392900.03	6100991.00	1.63	20	1.3	1400	24	27.5	4	9	1.3	0.37	0.80	17.3	1	1790	25	140	0.5	0.9
BST-62	389885.03	6101959.00	1.91	8	1.6	1300	18	27.3	4	7	5.1	0.34	0.70	14.1	1	1460	25	210	0.4	0.9
BST-63	391621.97	6102347.50	1.77	17	2.0	780	21	25.4	4	7	3.4	0.40	0.25	17.7	1	1860	25	240	0.4	1.0
BST-64a Analytical Duplicate	392280.47	6100523.00	1.87	17	2.8	820	14	27.0	4	6	3.3	0.33	0.25	15.5	1	2040	25	160	0.6	0.9
BST-64b Analytical Duplicate	392280.47	6100523.00	1.92	9	1.2	780	17	26.7	4	4	2.5	0.28	0.25	13.1	1	1190	80	140	0.4	0.7
BST-65	393553.56	6099419.00	1.76	8	1.6	1100	24	25.4	4	4	4.1	0.31	0.60	15.7	1	1550	92	210	0.4	0.8
BST-66	394714.06	6096812.00	1.92	11	1.5	1300	17	31.8	4	7	7.4	0.25	0.90	13.0	4	1190	25	270	0.3	0.7
BST-67	397742.78	6100050.50	1.87	18	1.2	1200	19	28.3	5	4	3.5	0.16	0.25	17.8	1	983	120	250	0.2	0.4
BST-68	399084.13	6101491.00	2.05	17	2.7	810	27	25.4	8	8	3.0	0.52	0.25	16.7	1	2520	25	170	0.5	1.2
BST-69-1 Field Duplicate	398290.31	6099503.50	2.07	15	1.5	1200	26	27.3	4	6	2.2	0.32	0.25	17.2	1	1540	25	250	0.3	0.9
BST-69-2 Field Duplicate	398290.31	6099503.50	1.72	18	1.8	2300	31	28.3	4	5	2.2	0.34	0.25	16.6	1	1920	25	240	0.4	0.9
BST-70	393255.56	6103846.50	1.58	13	1.9	810	35	24.5	3	6	5.4	0.31	0.60	24.9	1	1510	25	350	0.4	0.7
BST-71	399944.16	6103230.00	1.82	25	1.8	1200	28	26.6	3	6	1.7	0.30	0.80	15.8	1	1830	25	100	0.3	0.8
BST-72	402259.69	6104161.50	1.77	13	2.4	590	34	27.9	3	8	1.4	0.33	0.60	12.1	1	1370	71	110	0.4	0.8
BST-73	402783.03	6105930.50	1.92	13	4.4	790	19	28.1	6	15	3.1	0.75	1.30	8.2	1	3770	25	100	0.8	2.0
BST-74	404843.22	6106167.00	1.59	30	1.9	780	42	26.2	4	6	2.6	0.39	0.70	16.1	1	1740	69	250	0.4	0.9
BST-75	404345.91	6107971.00	2.06	17	2.0	2000	29	31.1	6	7	1.2	0.36	0.25	11.3	1	1850	64	110	0.4	0.9
BST-76-1 Field Duplicate	405489.13	6108952.50	1.90	17	2.1	1600	30	26.0	4	7	1.8	0.36	0.70	15.5	8	1780	25	160	0.4	0.9
BST-76-2 Field Duplicate	405489.13	6108952.50	2.13	15	2.3	1600	26	29.3	4	9	1.9	0.46	1.10	11.2	8	2000	25	150	0.5	1.3
BST-77a Analytical Duplicate	407618.00	6108196.00	1.81	16	1.9	1800	40	25.2	13	8	3.3	0.37	1.00	14.0	1	2320	100	240	0.5	0.9
BST-77b Analytical Duplicate	407618.00	6108196.00	1.84	19	1.7	1700	42	24.3	14	8	3.3	0.39	0.90	14.4	1	2520	82	250	0.5	0.9
BST-78	409199.56	6108708.50	1.88	9	1.6	380	48	20.4	4	5	4.4	0.25	0.70	19.8	1	1120	25	320	0.2	0.4
BST-79	408686.88	6110003.50	1.50	13	2.0	930	38	21.8	4	4	3.2	0.33	0.90	19.6	1	1270	25	280	0.9	0.7
BST-80	409780.19	6109958.00	1.96	11	3.5	1200	45	28.1	5	8	2.3	0.37	0.80	16.1	1	2250	25	210	0.4	0.8
BST-81	410936.50	6109974.50	1.64	12	2.5	790	33	25.8	4	7	4.0	0.36	0.80	15.2	1	1990	25	230	0.4	0.9
BST-82	410200.44	6108716.00	1.57	3	2.1	1500	42	22.8	5	8	3.2	0.49	0.25	18.1	1	1890	140	150	0.4	1.1
BST-83	408701.53	6106066.50	1.49	13	2.8	970	31	28.2	5	10	1.1	0.53	0.70	14.5	1	2560	25	130	0.5	1.3
BST-84	393512.25	6096425.00	1.73	10	2.5	1400	44	24.5	4	7	2.3	0.46	1.20	17.5	1	1860	25	270	0.5	1.2
BST-85	402062.69	6103060.50	1.58	11	2.3	1400	25	25.2	4	8	2.4	0.43	0.90	13.7	4	1810	25	130	0.6	1.1
BST-86	405613.66	6106052.00	1.74	3	0.5	2100	44	25.9	9	9	1.1	0.40	0.25	19.5	6	1380	25	170	0.3	0.9
BST-87	406394.53	6105961.00	2.15	12	2.6	2100	33	29.2	5	7	1.7	0.45	1.10	11.5	2	2220	25	130	0.5	1.2
BST-88	406650.31	6108446.50	1.98	18	2.1	750	41	25.0	5	1	2.0	0.23	0.50	17.0	1	1210	25	210	0.2	0.4
BST-89	408752.84	6106602.00	1.62	14	2.4	910	42	23.1	5	4	5.9	0.37	0.50	19.9	9	1660	120	270	0.3	0.7
BST-90	391117.84	6091481.50	1.82	15	1.7	1500	27	25.9	3	5	1.3	0.22	0.50	18.3	1	992	25	150	0.3	0.6
BST-91	390579.66	6092302.50	1.97	10	2.0	700	36	21.8	3	5	1.5	0.19	0.25	25.3	1	1000	58	250	0.5	0.5
BST-93	389781.91	6092662.00	1.87	18	0.8	690	46	29.6	10	5	6.9	0.19	0.50	17.0	1	815	25	390	0.2	0.4
BST-94a Analytical Duplicate	389081.13	6092532.00	1.56	7	0.9	640	18	21.0	3	6	5.0	0.41	0.25	25.2	1	1950	25	500	0.4	0.8
BST-94b Analytical Duplicate	389081.13	6092532.00	1.60	8	2.0	610	17	21.6	2	8	4.8	0.28	0.25	25.9	1	1830	25	540	0.3	0.6
BST-96	386122.09	6093126.50	1.63	19	1.1	1100	23	20.1	12	5	1.9	0.22	0.50	28.6	1	1040	86	300	0.3	0.5
BST-97	385659.50	6094922.00	1.73	10	1.8	920	33	20.4	8	5	4.9	0.39	0.80	22.5	1	2100	25	510	0.4	1.1
BST-98	390172.91	6093525.00	1.50	10	1.6	1100	31	21.8	9	5	2.6	0.29	0.25	17.8	1	1390	83	250	0.4	0.8
BST-99	391068.38	6094189.00	1.80	8	1.9	670	22	25.6	3	4	4.0	0.22	0.25	17.1	1	1190	120	230	0.3	0.5
BST-100	390771.78	6095004.00	1.73	13	3.4	1200	16	23.8	5	9	3.3	0.47	0.80	14.2	1	2130	130	210	0.4	1.3
BST-101a Analytical Duplicate	393612.16	6097352.00	2.15	16	2.4	790	16	29.9	3	6	1.1	0.34	0.25	10.7	3	1560	25	52	0.3	0.9
BST-101b Analytical Duplicate	393612.16	6097352.00	2.13	8	2.1	760	16	30.4	3	6	0.8	0.33	0.60	12.0	5	1540	25	52	0.3	0.9

Sample ID	UTM		Ash	Au	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	K	Mo	Na	Ni	Rb	Sb	Sc
	Easting	Northing	%	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
BST-102-1 Field Duplicate	392650.41	6096653.00	1.67	71	2.5	1200	33	29.0	4	4	6.4	0.31	0.25	18.1	1	1250	25	330	0.4	0.7
BST-102-2 Field Duplicate	392650.41	6096653.00	1.74	13	1.6	1100	22	29.1	3	7	6.9	0.31	0.60	15.1	1	1460	25	240	0.3	0.7
BST-103	391819.38	6096113.00	1.78	6	1.8	960	35	22.1	4	6	3.2	0.31	0.70	22.5	1	1450	25	300	0.3	0.7
BST-104	390131.41	6099288.50	1.89	12	3.0	490	25	24.3	4	10	5.3	0.43	0.25	15.8	1	1850	130	190	0.6	1.0
BST-105	390189.03	6100414.50	1.82	16	2.4	870	27	21.7	5	5	2.2	0.39	0.90	23.5	1	1940	25	300	0.4	0.9
BST-106	388754.06	6100689.00	1.68	11	2.3	600	30	20.5	4	9	2.8	0.45	0.25	22.9	1	3130	69	200	0.6	1.0
BST-109	386132.81	6096368.00	2.13	9	1.6	1600	26	30.5	5	8	9.4	0.38	0.60	9.9	1	1530	25	230	0.4	1.0
BST-110	386549.38	6095571.00	1.91	20	1.9	490	27	28.4	4	5	4.8	0.28	0.25	15.7	1	1670	25	180	0.3	0.9
BST-113	392921.88	6098805.00	2.26	8	0.6	570	23	26.4	4	4	3.9	0.22	0.25	17.8	1	1410	77	150	0.3	0.5
BST-114	392777.34	6097588.00	2.33	12	1.1	740	32	20.9	5	6	4.5	0.26	0.25	24.4	1	1280	25	210	0.3	0.6
BST-115	391675.25	6095251.50	1.71	3	4.3	1800	24	26.5	5	8	4.2	0.34	0.60	17.0	1	1650	25	170	0.4	1.1
BST-116	389621.63	6095117.50	1.84	9	2.8	620	45	24.0	4	6	4.0	0.38	0.50	21.9	1	1310	25	140	0.5	1.1
BST-117	390853.22	6096177.00	1.77	20	2.0	1100	27	21.5	6	6	15.0	0.43	0.60	19.1	1	1600	25	250	0.6	1.2
BST-118a Analytical Duplicate	391438.41	6097052.00	1.97	9	3.3	410	38	21.5	6	10	1.8	0.56	0.25	14.4	3	1810	25	62	0.5	1.6
BST-118b Analytical Duplicate	391438.41	6097052.00	1.96	13	3.5	380	38	22.8	5	11	1.6	0.51	0.25	15.3	3	1760	25	65	0.4	1.5
BST-119	387047.13	6096397.00	2.16	3	1.5	790	24	24.4	4	6	1.4	0.31	0.50	19.2	1	1210	25	93	0.4	1.0
BST-120	388195.31	6096944.00	2.13	3	1.2	810	22	22.7	3	3	2.7	0.24	0.25	22.1	1	1140	25	160	0.2	0.6
BST-121	388949.72	6097695.50	1.90	8	1.3	860	22	23.8	5	6	4.2	0.29	0.25	21.3	1	1360	25	210	0.2	0.8
BST-122	390079.06	6098127.00	1.83	14	1.2	820	32	23.1	3	5	2.2	0.23	0.25	23.4	1	1190	25	170	0.3	0.6
BST-124	391713.34	6098945.50	1.69	8	2.0	240	48	21.2	4	5	3.3	0.20	0.25	26.2	1	931	25	240	0.3	0.5
BST-125	388349.84	6102123.50	1.86	78	1.1	740	27	21.1	4	1	10.0	0.18	0.25	25.7	1	720	25	680	0.3	0.4
BST-126	389293.28	6102642.00	1.91	15	0.3	1100	28	20.4	9	1	32.0	0.16	0.25	23.1	1	1030	140	510	0.6	0.4
BST-128	390869.06	6103009.00	1.85	7	2.3	710	47	22.8	4	8	4.2	0.33	0.70	22.7	1	1900	70	150	0.4	0.8
BST-130-1 Field Duplicate	392870.50	6104868.50	1.79	9	2.4	270	37	22.4	4	6	2.1	0.35	0.25	23.2	1	2090	25	120	0.6	1.0
BST-130-2 Field Duplicate	392870.50	6104868.50	1.85	6	2.8	490	38	23.8	5	10	2.2	0.56	1.30	15.5	1	3520	110	67	0.3	1.6
BST-131	393909.19	6105750.00	2.15	3	2.0	800	23	25.5	3	3	7.4	0.19	0.25	23.2	1	781	25	300	0.3	0.4
BST-133a Analytical Duplicate	395632.94	6104304.50	2.21	5	2.1	660	20	25.6	4	6	3.0	0.21	0.25	25.3	1	1610	25	180	0.2	0.4
BST-133b Analytical Duplicate	395632.94	6104304.50		3	0.3	660	20	24.1	4	1	2.9	0.18	0.25	24.7	1	1570	25	180	0.2	0.4
BST-134	395953.06	6103406.50	1.90	12	2.3	300	29	27.4	3	7	2.0	0.39	0.25	14.3	1	2110	88	160	0.5	1.0
BST-135	398475.94	6100648.50	2.09	6	1.6	600	39	24.0	5	7	5.2	0.22	0.25	19.4	1	1120	76	360	0.6	0.5
BST-136	397807.00	6101720.00	2.23	5	1.0	470	12	29.4	2	5	1.3	0.21	0.25	15.7	1	1280	25	240	0.5	0.5
BST-137-1 Field Duplicate	398893.06	6102443.50	2.02	3	1.5	860	25	29.1	3	6	1.9	0.27	0.25	15.5	1	1270	25	190	0.3	0.8
BST-137-2 Field Duplicate	398893.06	6102443.50	1.86	3	2.8	1100	46	26.2	4	11	1.8	0.46	0.25	19.0	1	1710	25	190	0.4	1.3
BST-138	400332.28	6102223.50	1.82	127	1.3	1000	17	24.9	3	4	2.0	0.19	0.50	17.9	1	985	25	240	0.2	0.4
BST-139	401013.91	6102969.00	1.88	3	1.4	720	16	25.5	3	8	0.8	0.30	0.25	16.8	1	1670	25	190	0.3	0.9
BST-140	396582.16	6102405.00	1.92	3	1.8	910	27	26.6	3	8	2.9	0.32	0.25	19.4	2	1520	25	280	0.2	0.8
BST-142	398461.16	6104054.50	2.10	17	1.2	620	16	19.8	6	4	6.3	0.15	0.25	23.9	1	750	25	560	0.3	0.3
BST-143a Analytical Duplicate	398945.84	6104816.50	1.71	8	1.8	490	20	20.4	5	6	5.7	0.23	0.25	17.1	1	1520	65	340	0.4	0.5
BST-143b Analytical Duplicate	398945.84	6104816.50	1.71	6	1.4	580	24	21.2	6	6	7.3	0.24	0.25	17.9	1	1580	25	340	0.5	0.6
BST-145	400163.44	6105012.00	1.64	3	2.0	240	40	25.2	3	9	5.2	0.35	0.25	15.3	1	1400	25	230	0.3	1.0
BST-147	401680.66	6104926.00	1.93	3	0.9	1500	69	21.2	16	4	2.5	0.16	0.25	21.5	1	904	25	290	0.2	0.3
BST-149-1 Field Duplicate	402139.66	6105434.00	1.92	3	1.4	750	30	22.6	4	4	7.8	0.20	0.25	20.1	1	920	25	470	0.3	0.4
BST-149-2 Field Duplicate	402139.66	6105434.00	1.73	20	0.9	580	39	19.9	4	2	19.0	0.19	0.25	23.2	1	972	25	660	0.4	0.4
BST-151	402635.81	6106941.00	1.69	10	1.5	1100	25	27.5	4	5	21.0	0.32	0.25	20.3	1	1450	25	590	0.6	0.8
BST-152	403285.63	6107605.00	1.77	8	1.3	1100	79	22.3	8	6	1.5	0.18	0.25	21.7	1	980	25	250	0.1	0.4
BST-153	403857.41	6108381.00	2.12	13	1.0	1100	29	19.3	8	5	2.2	0.17	0.25	25.8	1	928	25	440	0.3	0.3
BST-154	405007.19	6108764.00	1.89	8	1.6	700	53	21.5	6	1	4.2	0.15	0.25	23.8	1	728	25	450	0.1	0.3
BST-155	405182.97	6109662.50	2.06	11	0.3	2200	120	18.7	15	1	1.0	0.17	0.25	23.1	1	1000	25	190	0.1	0.4
BST-157	402663.81	6108717.50	1.82	13	1.2	600	41	25.5	5	4	3.6	0.16	0.25	21.7	1	1470	25	420	0.3	0.5
BST-159	401165.03	6107954.50	2.00	10	1.4	420	32	20.8	4	1	9.8	0.24	0.70	20.9	1	1830	72	290	0.3	0.8
BST-160	399579.41	6108137.00	1.94	9	1.4	170	20	19.0	3	4	2.6	0.25	0.25	24.6	1	1710	73	270	0.4	0.6
BST-161	409503.97	6110965.50	2.45	5	0.3	570	32	23.8	3	4	3.1	0.14	0.25	23.5	3	654	25	380	0.2	0.4
BST-162a Analytical Duplicate	408825.19	6111203.00	2.04	6	1.2	860	30	22.5	2	7	6.2	0.21	0.25	24.3	3	1330	25	410	0.3	0.5
BST-162b Analytical Duplicate	408825.19	6111203.00	2.06	3	0.8	840	20	19.6	2	5	7.1	0.20	0.25	23.4	1	1280	25	440	0.2	0.5

Sample ID	UTM		Ash	Au	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	K	Mo	Na	Ni	Rb	Sb	Sc
	Easting	Northing	%	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
BST-163	407938.84	6110567.50	1.89	9	1.7	550	35	21.3	3	5	2.9	0.23	0.25	23.3	1	1980	25	300	0.3	0.7
BST-164	407481.53	6111172.00	1.69	10	1.5	330	33	14.3	5	8	8.5	0.28	0.50	26.1	1	2860	25	470	0.3	0.8
BST-166	406114.34	6111079.00	2.20	5	0.9	350	31	14.8	7	3	6.6	0.19	0.25	31.9	1	1070	25	800	0.3	0.4
BST-167	404689.56	6110332.00	2.20	10	0.8	190	35	22.4	3	2	3.1	0.13	0.25	24.0	1	668	25	320	0.1	0.2
BST-168	407173.28	6110038.00	2.27	3	0.9	630	16	26.1	2	5	1.1	0.21	0.25	18.7	1	1150	53	160	0.3	0.5
BST-169	406356.91	6109394.50	1.87	3	1.2	1100	26	28.1	3	7	1.2	0.23	0.60	22.0	4	1420	25	200	0.3	0.6
BST-170	401106.94	6103466.00	1.86	7	0.5	740	29	27.3	2	6	2.7	0.21	0.25	21.4	1	1100	25	310	0.3	0.5
BST-171-1 Field Duplicate	400308.25	6102973.00	2.11	3	0.8	540	46	19.1	3	1	3.0	0.16	0.25	28.0	1	826	72	330	0.2	0.3
BST-171-2 Field Duplicate	400308.25	6102973.00	1.58	17	2.0	660	33	22.6	4	4	6.9	0.28	0.25	22.1	5	1770	25	370	0.4	0.6
BST-173	385214.00	6096092.00	2.15	6	1.5	460	23	27.2	2	4	1.9	0.20	0.25	21.4	1	885	25	370	0.4	0.5
BST-174	384167.44	6096184.50	1.92	5	1.0	430	27	23.3	7	4	4.9	0.21	0.25	23.0	1	818	25	500	0.3	0.5
BST-175	388265.75	6102950.00	1.71	10	1.2	630	25	19.7	6	5	9.2	0.25	0.25	25.2	1	1400	25	480	0.4	0.5
BST-177	386911.66	6102253.00	2.00	9	0.9	560	31	24.2	3	5	6.6	0.21	0.25	24.8	1	984	25	470	0.3	0.6
BST-179-1 Field Duplicate	382763.03	6098971.50	1.73	16	1.3	1000	27	27.6	3	6	2.0	0.23	0.70	24.7	2	1340	25	280	0.3	0.6
BST-179-2 Field Duplicate	382763.03	6098971.50	1.93	11	1.9	1100	45	23.2	3	7	3.4	0.32	0.60	25.1	1	1520	25	270	0.3	0.8
BST-180	383572.19	6099390.00	1.70	13	2.5	1400	100	23.1	6	5	4.8	0.34	0.90	25.4	1	1350	25	230	0.5	0.8
BST-181	380550.09	6095880.00	1.73	16	2.6	720	120	21.0	7	6	3.9	0.41	0.25	22.0	3	1970	25	280	0.5	1.0
BST-182	385706.34	6102721.00	1.77	6	1.7	670	33	24.3	4	4	3.4	0.26	0.25	22.4	1	1020	25	440	0.3	0.6
BST-201	376329.06	6099848.50	1.72	6	1.8	710	49	25.7	4	5	4.5	0.32	0.25	16.6	1	1350	25	150	0.3	0.7
BST-202	377827.09	6101405.50	1.62	7	2.3	1700	34	28.2	4	4	3.4	0.30	0.60	19.4	1	1300	68	170	0.5	0.8
BST-203a Analytical Duplicate	377759.09	6103205.50	1.73	14	1.6	1300	20	31.2	3	6	1.3	0.30	0.25	15.9	1	1310	25	170	0.3	0.7
BST-203b Analytical Duplicate	377759.09	6103205.50	1.59	15	1.3	1300	22	30.6	4	7	1.5	0.27	0.25	17.1	1	1290	25	180	0.4	0.7
BST-204	379288.84	6099045.50	1.72	9	1.9	1200	26	30.0	4	6	1.8	0.34	0.80	15.7	1	1780	25	160	0.6	0.9
BST-205	377938.81	6100685.00	1.71	17	1.8	1100	27	28.3	3	7	3.2	0.36	0.70	16.8	3	1690	25	270	0.3	0.9
BST-206	376715.94	6102116.00	1.52	9	1.9	670	24	24.5	4	5	2.6	0.31	0.25	18.2	1	1520	25	210	0.3	0.8
BST-207	383212.94	6102354.00	1.56	6	4.2	980	25	21.6	9	5	7.5	0.23	0.70	19.5	1	943	90	370	0.3	0.5
BST-208	379651.16	6102676.50	1.60	3	1.8	790	39	22.9	4	5	7.9	0.29	0.50	16.4	1	1380	25	370	0.5	0.8
BST-209	377791.78	6097599.50	1.77	5	1.6	790	19	23.8	3	7	1.7	0.33	0.25	16.8	1	1450	25	210	0.4	0.9
BST-210	378771.63	6097898.50	1.42	11	1.7	1100	24	26.2	6	7	4.2	0.29	0.70	14.2	1	1440	25	270	0.4	0.7
BST-211	386750.13	6103960.50	1.46	9	1.4	630	71	18.7	5	6	5.5	0.29	0.60	22.8	1	1240	25	260	0.6	0.7
BST-212	383294.22	6105784.50	2.02	24	1.2	1700	36	26.4	3	5	3.8	0.23	0.25	17.2	1	1050	25	350	0.3	0.5
BST-213	381556.81	6105384.50	1.60	3	1.8	630	19	24.2	3	7	1.8	0.31	0.50	14.3	1	1240	25	140	0.1	0.8
BST-214	380459.88	6105602.00	1.23	38	2.4	1500	28	22.4	5	8	7.5	0.32	0.90	15.4	1	2470	25	430	0.6	0.7
BST-215-1 Field Duplicate	377864.75	6104760.00	1.54	3	1.6	1200	30	26.8	4	6	1.9	0.23	0.50	14.9	1	1150	25	110	0.2	0.6
BST-215-2 Field Duplicate	377864.75	6104760.00	1.20	3	1.6	1200	34	27.3	4	3	1.6	0.21	0.25	16.4	1	1060	65	130	0.3	0.5
BST-216	383573.22	6109146.50	1.66	3	1.2	780	24	29.1	4	7	2.8	0.31	0.25	13.6	1	1250	88	120	0.3	0.9
BST-217	390236.81	6110548.50	1.37	12	1.1	1200	22	24.5	4	9	12.0	0.32	0.25	16.1	4	1320	25	290	0.6	0.8
BST-218-1 Field Duplicate	389764.00	6111144.00	1.70	12	1.3	620	17	30.4	4	3	7.9	0.22	0.25	14.3	1	1300	25	260	0.4	0.6
BST-218-2 Field Duplicate	389764.00	6111144.00	1.22	13	1.9	750	39	25.3	5	7	6.2	0.38	0.25	19.3	1	1820	25	210	0.3	0.9
BST-219	390098.19	6111950.00	2.03	6	1.3	680	25	28.1	4	5	2.3	0.23	0.25	16.5	1	1680	73	140	0.2	0.7
BST-220	381027.66	6110614.00	1.72	11	1.2	2200	23	23.3	8	5	6.3	0.29	0.25	19.2	1	1040	25	360	0.7	0.7
BST-221	377695.31	6108412.50	1.63	8	1.8	1300	29	25.0	5	4	3.7	0.32	0.60	17.5	1	1590	25	170	0.4	0.9
BST-222	379349.53	6108925.00	1.75	12	1.5	830	32	22.2	5	7	7.1	0.40	0.25	18.6	1	1820	25	260	0.4	1.1
BST-223	381125.06	6107999.50	1.82	7	0.3	510	22	27.2	3	5	2.7	0.31	0.25	12.7	1	1200	25	110	0.2	0.7
BST-224	379795.09	6110312.00	1.78	3	1.3	1100	34	25.2	9	6	20.0	0.28	0.25	19.0	1	1160	25	240	0.6	0.8
BST-225	379465.34	6111668.50	1.59	7	2.2	620	66	22.5	4	5	2.1	0.36	0.25	21.2	1	1800	25	140	0.6	0.8
BST-226	385778.38	6102867.50	1.99	8	1.4	560	20	30.0	3	4	1.6	0.30	0.80	12.1	1	1410	25	190	0.5	0.8
BST-227	389816.63	6100772.00	1.79	8	1.9	740	31	21.2	6	7	3.5	0.33	0.80	17.2	1	2330	64	250	0.4	0.8
BST-228a Analytical Duplicate	386397.94	6109043.50	1.93	12	2.2	1200	25	25.8	3	7	3.5	0.40	1.10	12.3	1	1680	25	190	0.5	1.0
BST-228b Analytical Duplicate	386397.94	6109043.50		13	2.3	1300	25	24.6	4	7	4.0	0.37	0.70	14.1	1	1780	86	190	0.5	1.0
BST-229	384070.59	6107122.50	1.60	8	2.3	780	20	26.7	4	6	3.5	0.37	0.25	16.6	1	1630	25	300	0.4	0.8
BST-230	383904.16	6112613.50	1.76	3	1.9	510	23	23.0	5	8	5.9	0.38	0.80	17.8	1	1490	87	270	0.4	0.9
BST-231-1 Field Duplicate	382258.53	6113338.50	1.75	8	1.8	1200	21	27.6	4	5	2.1	0.31	0.25	13.3	1	1580	25	130	0.3	0.8
BST-231-2 Field Duplicate	382258.53	6113338.50	1.86	3	2.5	1400	31	23.9	4	12	1.7	0.39	0.25	17.0	1	1640	25	130	0.5	1.1

Sample ID	Easting	Northing	Ash %	Au ppb	As ppm	Ba ppm	Br ppm	Ca %	Co ppm	Cr ppm	Cs ppm	Fe %	Hf ppm	K %	Mo ppm	Na ppm	Ni ppm	Rb ppm	Sb ppm	Sc ppm
BST-232	390562.03	6109659.00	1.66	3	1.5	950	25	28.0	4	9	5.9	0.25	0.25	18.5	1	1130	25	450	0.8	0.6
BST-233	392016.75	6110904.50	1.86	15	1.4	1000	30	26.3	4	7	6.5	0.35	0.25	16.7	1	1500	64	180	0.4	0.9
BST-234	392301.84	6112182.50	1.82	3	2.1	1400	26	30.2	4	8	2.0	0.45	0.60	17.3	1	1520	25	140	0.5	1.2
BST-235	386428.03	6112778.00	1.98	7	1.3	820	21	34.6	3	4	3.6	0.20	0.25	12.5	1	1120	25	180	0.4	0.6
BST-236a Analytical Duplicate	381154.03	6111993.00	2.00	3	2.1	550	20	31.9	4	7	3.7	0.37	0.25	13.4	1	1320	25	130	0.3	1.0
BST-236b Analytical Duplicate	381154.03	6111993.00	2.06	3	2.9	560	20	32.1	3	6	4.0	0.34	0.25	13.1	1	1200	25	150	0.3	0.9
BST-237	379199.69	6112599.50	1.81	3	1.6	800	13	32.0	7	4	12.0	0.21	0.25	11.5	1	1190	25	260	0.4	0.5
BST-238	386874.16	6116827.00	1.86	6	2.0	980	16	28.7	4	6	2.8	0.36	0.25	14.1	1	1300	25	89	0.3	1.0
BST-239	386481.22	6119657.00	1.56	9	2.2	990	25	26.0	4	6	1.9	0.41	0.25	19.1	1	1650	25	82	0.5	1.1
BST-240	385161.59	6118841.50	1.63	10	3.0	810	27	28.8	4	8	2.8	0.47	0.60	15.6	3	1870	25	120	0.5	1.2
BST-241	382370.50	6117084.50	1.76	3	1.3	990	17	30.3	3	2	2.6	0.35	0.25	15.7	1	1310	25	120	0.3	0.9
BST-242	381725.97	6118149.50	1.71	3	4.3	700	89	25.9	6	13	2.6	0.84	0.90	14.2	1	3170	25	71	0.7	2.5
BST-243	383723.41	6118533.50	1.61	9	1.0	330	21	25.7	5	6	5.4	0.31	0.25	18.9	1	1290	71	170	0.3	0.8
BST-244	389263.66	6117914.50	1.90	24	2.0	850	29	23.6	5	5	5.3	0.27	0.25	25.1	1	1190	25	350	0.4	0.7
BST-245	390752.63	6118711.00	1.69	11	2.0	850	30	24.5	6	9	7.3	0.43	0.25	18.6	3	1780	75	360	1.5	1.1
BST-246a Analytical Duplicate	389829.19	6119804.50	2.21	5	1.6	1000	19	27.1	3	7	1.6	0.25	0.25	16.6	1	1080	25	190	0.5	0.8
BST-246b Analytical Duplicate	389829.19	6119804.50	2.11	3	2.0	1100	20	28.5	2	5	1.4	0.28	0.25	18.8	2	1160	25	170	0.5	0.8
BST-247	387542.09	6120739.50	1.92	9	1.8	810	20	30.1	3	8	3.2	0.28	0.25	12.1	1	1350	25	150	0.4	0.9
BST-248	387894.78	6122519.00	1.86	7	2.5	950	34	30.1	4	8	1.3	0.32	0.25	16.9	1	1570	25	65	0.4	1.0
BST-249	386461.28	6122755.00	1.98	13	2.0	840	16	32.7	3	7	3.2	0.38	0.25	11.0	1	1610	25	150	0.3	1.2
BST-250-1 Field Duplicate	392445.16	6112208.50	1.67	22	1.8	1300	16	28.4	4	6	2.0	0.28	0.25	16.1	3	1440	25	200	0.4	0.8
BST-250-2 Field Duplicate	392449.16	6112208.50	1.92	13	1.2	790	20	24.7	2	3	4.6	0.25	0.25	14.7	1	1320	25	250	0.3	0.6
BST-251	391802.69	6111173.00	1.86	25	1.6	520	12	21.4	5	4	9.3	0.19	0.25	14.9	1	1250	25	320	0.2	0.4
BST-252	390174.03	6112731.00	1.69	12	1.5	1700	18	24.3	3	1	2.3	0.33	0.60	16.7	1	1580	25	200	0.3	0.8
BST-253	395615.16	6113826.50	1.89	11	2.4	780	24	22.9	4	5	5.1	0.26	0.25	20.3	1	1310	25	230	0.5	0.6
BST-254	396711.59	6114399.00	1.82	26	1.5	850	15	24.4	3	5	5.1	0.22	0.25	17.6	1	1940	25	440	0.3	0.6
BST-255	398099.66	6117886.50	1.77	16	2.7	1000	16	22.6	4	7	2.9	0.32	0.25	18.3	1	1740	62	240	0.4	0.9
BST-256	403018.75	6120422.00	1.71	9	1.8	780	18	24.8	3	5	2.8	0.32	0.25	16.4	1	2250	25	180	0.3	0.7
BST-257	403015.22	6118430.00	1.86	12	2.5	1000	17	25.6	3	3	4.4	0.16	0.25	17.1	1	1190	25	300	0.2	0.4
BST-258	401426.78	6118891.00	1.90	13	2.5	1100	16	25.2	3	5	6.8	0.45	0.80	14.1	1	2080	25	230	0.3	1.1
BST-259	394433.78	6120179.50	1.66	3	2.4	590	30	21.7	4	8	1.6	0.48	0.25	15.6	1	2550	25	100	0.3	1.2
BST-260	392810.16	6120480.50	2.32	8	1.3	810	16	26.6	3	6	2.3	0.33	0.25	15.9	1	1520	25	150	0.2	0.8
BST-261	395856.13	6121526.00	1.81	8	1.5	1100	19	23.2	4	2	2.6	0.24	0.50	14.1	1	1250	25	250	0.2	0.6
BST-262a Analytical Duplicate	382201.84	6113313.00	1.97	6	2.5	1400	15	26.2	3	9	2.1	0.53	0.90	12.7	1	2620	25	110	0.5	1.5
BST-262b Analytical Duplicate	382201.84	6113313.00	1.98	14	1.7	1400	14	26.9	4	10	2.5	0.46	1.00	10.6	1	2400	25	100	0.4	1.3
BST-263	382691.75	6113932.00	1.62	3	2.1	1200	22	26.1	4	6	4.4	0.32	0.60	16.6	1	1560	25	250	0.3	0.8
BST-264	380485.66	6115711.50	1.87	10	1.6	1100	15	27.5	2	5	2.4	0.24	0.25	15.3	1	1170	25	210	0.2	0.6
BST-265-1 Field Duplicate	379871.44	6116760.00	1.63	6	1.6	440	22	21.3	3	5	2.6	0.22	0.25	21.1	1	1100	160	250	0.2	0.5
BST-265-2 Field Duplicate	379871.44	6116760.00	1.39	3	2.3	870	22	23.2	3	5	2.2	0.32	0.50	13.8	1	1680	25	150	0.3	0.7
BST-266	381433.31	6117001.50	1.89	14	2.2	1300	15	27.7	3	6	2.6	0.32	0.60	11.2	1	1470	25	200	0.3	0.7
BST-267	375915.06	6116255.00	1.65	28	2.4	1200	21	28.7	4	6	3.0	0.55	0.80	11.1	5	2300	130	180	0.5	1.3
BST-268	378764.00	6115647.00	1.74	3	1.3	960	15	23.5	3	5	4.2	0.26	0.25	15.3	1	1220	25	250	0.2	0.6
BST-269	375817.69	6117177.00	1.92	12	1.5	800	16	27.8	3	5	4.2	0.28	0.25	15.1	1	1170	25	290	0.3	0.6
BST-270	375674.28	6118785.50	1.98	10	1.5	620	17	29.1	3	5	1.1	0.29	0.25	17.5	1	1430	25	120	0.3	0.8
BST-271	372623.97	6120092.00	1.53	18	1.4	560	20	25.6	4	7	2.7	0.37	0.50	15.1	1	1620	25	130	0.4	0.9
BST-272	381917.66	6115401.50	1.61	9	1.8	1200	20	28.5	3	7	1.2	0.37	0.25	15.2	1	1610	25	100	0.3	1.0
BST-273	379539.09	6113473.00	1.53	3	1.9	590	16	27.0	3	6	5.3	0.28	0.60	19.8	1	1350	25	360	0.2	0.6
BST-274	378643.41	6113610.00	1.90	6	1.6	990	17	31.3	2	5	1.3	0.28	0.25	17.5	1	1200	25	130	0.5	0.7
BST-275	376090.72	6109961.00	1.84	16	1.9	720	18	25.3	4	8	1.9	0.46	0.80	16.5	1	1900	25	110	0.8	1.3
BST-276	376198.66	6110938.00	1.99	9	2.4	930	18	27.0	3	4	9.2	0.23	0.25	15.3	1	982	25	360	0.3	0.6
BST-277	376521.69	6112449.50	1.53	16	1.7	560	16	24.3	3	8	3.2	0.31	0.25	21.9	1	2420	25	360	0.5	0.8
BST-278a Analytical Duplicate	375920.22	6119958.50	1.88	22	2.1	1100	14	26.8	5	4	3.3	0.24	0.25	19.9	1	1510	25	370	0.3	0.6
BST-278b Analytical Duplicate	375920.22	6119958.50	1.91	31	2.0	1100	14	27.2	4	4	3.2	0.26	0.25	18.8	1	1560	25	400	0.4	0.5
BST-279	380540.75	6121179.00	1.68	12	1.1	1000	15	25.1	6	5	5.1	0.25	0.25	26.5	1	1160	110	660	0.2	0.4

Sample ID	UTM		Ash	Au	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	K	Mo	Na	Ni	Rb	Sb	Sc
	Easting	Northing	%	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
BST-280	377783.25	6117499.50	1.76	9	2.2	1300	17	28.5	3	9	1.3	0.43	0.90	13.9	1	1630	25	140	0.5	1.1
BST-281-1 Field Duplicate	375405.56	6111977.50	2.12	11	1.0	1300	22	32.7	3	5	2.5	0.26	0.25	13.2	1	1080	25	190	0.3	0.6
BST-281-2 Field Duplicate	375405.56	6111977.50	1.81	12	1.7	740	31	29.1	4	9	2.1	0.40	0.90	18.1	1	1540	25	220	0.7	1.0
BST-282	374344.63	6110827.50	2.13	11	1.7	910	31	31.4	4	7	4.5	0.39	0.60	15.3	1	1990	25	190	0.5	0.9
BST-283	372750.41	6110253.50	1.99	19	1.1	1200	18	27.2	4	6	6.1	0.25	0.25	14.8	1	826	25	410	0.3	0.5
BST-284	371076.44	6112518.50	1.89	7	1.7	740	21	31.2	5	7	7.4	0.24	0.25	13.5	1	1110	25	270	0.3	0.6
BST-285	373327.72	6114288.50	1.72	9	1.9	1200	26	31.1	3	6	3.2	0.27	0.25	18.0	1	1130	25	290	0.3	0.6
BST-286	371991.28	6112810.50	1.52	14	1.3	790	33	27.1	4	6	9.7	0.29	0.70	23.7	4	1650	55	570	0.6	0.7
BST-287	377537.22	6113875.00	1.89	9	2.1	1700	24	27.2	4	6	6.9	0.24	0.25	21.8	1	1470	25	440	0.4	0.6
BST-288	377012.94	6113260.00	1.81	9	1.4	980	22	24.5	3	8	3.4	0.38	0.25	15.3	1	1640	25	230	0.3	1.1
BST-289	377610.78	6110969.00	2.11	6	1.0	910	24	25.7	3	7	1.9	0.32	0.25	18.2	1	1410	25	110	0.3	0.8
BST-290	382417.03	6114793.00	2.06	6	1.5	940	22	24.5	4	5	2.3	0.33	0.60	19.8	1	1440	25	190	0.2	0.9
BST-291	383696.41	6115010.50	1.95	6	1.5	830	22	24.8	2	6	1.1	0.28	0.25	15.3	1	1270	25	150	0.2	0.8
BST-292	385936.47	6116781.00	1.57	5	1.7	870	15	21.7	4	7	3.2	0.37	0.25	16.3	1	1810	25	250	0.3	1.1
BST-293	385024.91	6115886.00	1.67	29	1.8	840	25	22.9	4	7	3.7	0.41	0.70	19.8	1	1860	25	220	0.3	1.1
BST-294	388431.34	6117653.00	1.96	3	1.5	520	21	24.3	2	6	1.0	0.24	0.25	20.5	1	1190	60	130	0.2	0.6
BST-295	390772.88	6115942.50	1.58	7	2.0	420	17	24.3	5	5	3.9	0.40	0.25	13.2	1	1720	25	310	0.4	1.1
BST-296a Analytical Duplicate	388906.22	6116341.50	1.81	10	2.2	790	30	26.4	4	10	3.4	0.52	0.25	17.6	1	2780	25	140	0.4	1.4
BST-296b Analytical Duplicate	388906.22	6116341.50	1.83	9	2.3	780	26	24.8	4	8	3.1	0.49	0.60	17.0	1	2370	25	120	0.4	1.4
BST-297	392777.22	6119550.50	1.62	16	1.7	720	16	24.4	3	7	1.1	0.33	0.25	16.7	1	1620	25	170	0.3	0.9
BST-298	386844.25	6118304.50	1.69	6	0.9	760	21	22.3	3	2	1.3	0.26	0.25	21.4	1	1100	25	310	0.2	0.7
BST-299	389554.72	6118795.50	1.84	26	2.9	950	29	24.6	5	13	1.5	0.71	0.90	14.8	1	3200	25	150	0.6	1.9
BST-300	397789.06	6120371.50	1.78	6	2.3	990	16	22.6	4	6	2.8	0.23	0.25	20.1	1	1390	25	310	0.3	0.6
BST-301	397379.28	6115475.50	1.79	14	2.1	840	17	27.9	3	6	4.2	0.26	0.50	17.0	1	1380	25	310	0.8	0.7
BST-302	398199.97	6115605.50	1.78	5	1.5	510	22	21.8	3	2	2.2	0.20	0.25	21.0	1	1260	25	250	0.3	0.5
BST-303	399031.28	6117196.50	1.90	6	2.7	1100	27	24.5	5	10	2.1	0.57	0.80	13.8	1	3130	25	110	0.5	1.6
BST-304	399059.47	6121780.00	1.83	8	2.0	940	30	26.5	3	3	1.9	0.28	0.25	16.2	1	1420	25	160	0.3	0.8
BST-305	394394.06	6121113.00	1.74	6	1.0	930	18	24.2	2	3	2.3	0.28	0.25	19.9	1	1300	25	170	0.3	0.8
BST-306	395742.28	6120763.00	1.66	3	1.4	790	22	24.2	3	6	1.6	0.31	0.25	18.0	1	1770	25	240	0.3	0.9
BST-307	401533.19	6115214.50	1.96	14	1.6	1500	22	26.3	3	3	12.0	0.24	0.25	19.0	1	1180	25	580	0.4	0.6
BST-308	388801.19	6121654.50	1.92	9	3.8	3500	27	29.5	4	8	2.3	0.47	1.60	13.6	1	2540	25	260	0.4	1.4
BST-309	391428.59	6122577.50	1.70	3	2.5	1000	27	24.2	3	7	3.4	0.36	0.70	17.4	3	2050	25	380	0.3	1.0
BST-310-1 Field Duplicate	386862.44	6121457.50	1.77	9	2.7	530	35	22.5	4	11	0.9	0.51	0.25	20.0	1	2090	25	120	0.4	1.4
BST-310-2 Field Duplicate	386862.44	6121457.50	1.94	3	2.3	620	28	24.4	4	5	2.0	0.27	0.60	21.5	4	1190	25	200	0.2	0.7
BST-311a Analytical Duplicate	398860.28	6124033.50	1.81	3	1.7	890	32	23.1	3	4	3.1	0.30	0.25	23.0	1	1630	25	410	0.3	0.8
BST-311b Analytical Duplicate	398860.28	6124033.50	1.87	3	2.0	830	27	23.7	3	5	3.2	0.24	0.25	22.3	1	1520	25	400	0.3	0.6
BST-312	401764.13	6124868.00	1.62	11	1.5	820	27	23.6	2	5	3.3	0.28	0.50	23.2	3	1340	25	300	0.4	0.7
BST-313	401949.66	6123755.50	1.58	16	2.4	880	31	24.7	4	6	1.6	0.56	0.90	16.8	1	2130	25	130	0.4	1.4
BST-314	395694.91	6113040.00	2.04	3	2.0	1050	23	27.4	4	6	5.4	0.44	0.80	11.5	1	1720	25	140	0.5	1.0
BST-315	394579.59	6115052.50	1.75	3	2.6	1200	51	21.3	3	5	3.8	0.27	0.25	21.6	1	1130	25	300	0.3	0.7
BST-316	393563.53	6115607.50	1.71	8	1.7	740	29	21.5	3	6	3.0	0.29	0.25	18.1	1	1410	25	170	0.3	0.8
BST-317	395119.63	6116693.00	2.01	19	2.5	990	27	24.7	3	8	1.7	0.38	0.60	16.3	1	1590	25	150	0.3	1.0
BST-318	392868.47	6115944.50	1.95	24	2.3	1600	28	22.1	5	8	1.6	0.53	0.90	15.7	1	2470	110	230	0.5	1.3
BST-319	392888.03	6114085.00	1.67	7	2.7	1800	40	22.4	3	8	2.5	0.41	0.80	16.6	1	1940	25	160	0.4	1.0
BST-320	393461.94	6117975.00	1.51	5	4.2	670	40	19.9	5	14	2.2	0.73	1.20	18.3	1	3050	25	130	0.7	1.7
BST-321	395662.72	6119171.50	2.22	6	2.1	700	33	21.3	4	5	3.4	0.31	0.70	17.6	1	1290	25	320	0.3	0.8
BST-322	396552.13	6116783.50	1.55	6	1.9	380	37	19.8	5	12	21.0	0.49	0.60	15.2	1	1920	110	300	0.7	1.2
BST-323	398822.63	6118983.50	2.24	12	2.1	970	34	25.1	3	7	1.1	0.35	0.25	17.4	1	1350	25	180	0.3	0.9
BST-324	405468.59	6118863.50	1.61	12	3.5	1000	31	24.5	4	9	2.1	0.59	0.70	14.5	1	2290	25	99	0.5	1.5
BST-325	402728.47	6116397.00	1.75	6	1.0	1600	20	26.1	2	4	5.1	0.27	0.25	15.0	1	1320	25	350	0.6	0.7
BST-326	403152.28	6115757.50	2.26	9	1.8	1100	27	27.7	5	7	2.2	0.41	0.70	21.9	1	2440	25	150	0.3	1.2
BST-327	401644.22	6117724.00	1.65	10	1.3	490	23	27.8	3	6	3.8	0.23	0.25	18.0	1	1230	25	190	0.2	0.6
BST-328	399453.69	6113119.50	1.70	3	1.7	780	31	26.8	5	7	1.6	0.39	0.25	18.2	1	1610	25	120	0.5	1.1

Sample ID	UTM		Ash	Au	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	K	Mo	Na	Ni	Rb	Sb	Sc
	Easting	Northing	%	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
BST-329-1 Field Duplicate	399739.69	6116073.00	1.68	6	1.9	860	32	26.8	4	9	4.2	0.38	0.60	20.0	1	1700	25	200	0.4	1.0
BST-329-2 Field Duplicate	399739.69	6116073.00	1.94	3	1.4	1200	21	30.5	4	6	3.3	0.33	0.60	20.3	1	1620	25	210	0.3	0.8
BST-330	400493.94	6121466.50	1.47	3	1.3	660	41	22.7	4	6	4.7	0.34	0.25	27.2	2	1460	25	120	0.4	0.9
BST-331	397631.47	6122161.50	1.92	11	0.9	530	29	28.0	4	1	3.2	0.34	0.50	18.8	1	1680	25	160	0.3	0.9
BST-332a Analytical Duplicate	388402.53	6110279.50	1.81	13	0.9	840	35	23.7	6	1	15.0	0.21	0.50	22.2	1	1960	25	400	0.3	0.7
BST-332b Analytical Duplicate	388402.53	6110279.50	1.87	12	1.1	800	37	23.4	6	1	16.0	0.26	0.60	22.6	1	1970	25	430	0.3	0.8
BST-333	388990.78	6111278.50	1.90	6	1.6	1200	31	27.7	4	5	4.7	0.31	0.25	19.9	1	1260	25	240	0.3	0.8
BST-334	388337.50	6112415.00	1.58	11	1.8	870	46	26.9	5	6	2.7	0.43	0.25	19.5	1	1750	25	150	0.4	1.2
BST-335	387047.66	6109799.50	1.86	5	1.6	1100	38	26.6	4	8	4.8	0.33	0.50	20.0	1	1510	25	180	0.4	1.0
BST-336	386319.13	6111064.50	1.66	13	2.0	590	33	24.4	6	10	1.7	0.58	0.60	20.7	1	2700	86	170	0.6	1.6
BST-337	382498.38	6109258.00	2.05	13	1.5	620	24	27.8	3	4	6.0	0.21	0.25	20.8	1	979	25	270	0.2	0.6
BST-338	380640.72	6106839.00	1.93	10	1.8	1700	33	24.0	4	9	3.1	0.49	0.90	20.5	1	1720	25	180	0.4	1.4
BST-339	384452.22	6121046.00	1.99	10	1.0	820	35	29.0	4	6	1.7	0.30	0.25	19.3	1	1080	25	110	0.4	0.9
BST-340	378880.78	6116494.50	2.07	9	1.1	1200	49	27.0	4	4	2.0	0.27	0.25	23.0	1	1030	25	140	0.2	0.7
BST-341	378317.00	6120022.00	1.98	3	1.0	560	55	26.4	4	6	3.6	0.30	0.50	23.3	1	1250	25	180	0.3	0.9
BST-342	380948.22	6114359.50	1.86	8	1.5	1200	27	29.7	5	9	2.5	0.51	0.70	17.3	1	1690	75	150	0.5	1.5
BST-343a Analytical Duplicate	374800.81	6116438.50	1.96	12	0.8	320	29	24.1	3	6	2.1	0.24	0.25	27.1	1	979	25	260	0.2	0.6
BST-343b Analytical Duplicate	374800.81	6116438.50	2.00	12	0.6	360	30	24.4	3	6	2.2	0.22	0.25	26.2	1	963	25	260	0.2	0.6
BST-344	374923.78	6117839.50	2.04	7	0.8	590	33	22.8	4	6	3.5	0.33	0.25	26.5	1	1220	25	340	0.3	0.8
BST-345-1 Field Duplicate	373345.66	6119686.50	1.80	7	1.7	360	47	28.1	5	6	5.0	0.21	0.25	19.4	3	873	25	290	0.3	0.6
BST-345-2 Field Duplicate	373345.66	6119686.50	2.24	6	1.3	710	21	27.2	3	5	2.8	0.16	0.25	24.4	1	627	25	330	0.2	0.3
BST-346	370761.88	6118036.00	2.11	12	1.8	860	57	24.1	4	5	2.1	0.27	0.25	26.9	1	1000	120	190	0.3	0.7
BST-347	372443.16	6117141.00	2.05	8	2.2	800	87	25.3	6	8	2.9	0.34	0.25	25.9	1	1240	25	200	0.3	0.9
BST-348	370122.25	6116112.50	1.69	25	1.4	930	92	25.0	7	6	2.8	0.41	0.25	22.0	1	1570	25	140	0.4	1.0
BST-349	371728.59	6114122.50	1.85	3	1.3	760	33	27.1	4	5	1.9	0.35	0.25	22.3	1	1160	66	160	0.4	0.9
BST-350	402081.97	6122364.50	2.00	23	1.2	800	37	29.4	4	6	2.0	0.31	0.50	22.4	1	1370	25	200	0.2	0.9
BST-351	396866.97	6123412.50	1.78	5	2.0	740	36	27.1	5	10	2.0	0.47	0.60	17.2	1	1700	75	150	0.3	1.4
BST-352	394480.94	6124486.00	1.95	6	1.7	740	49	26.4	4	7	2.5	0.31	0.50	22.6	1	1260	25	180	0.3	0.9
BST-353	396067.84	6125747.00	1.86	3	1.4	810	26	25.8	3	11	2.2	0.39	0.60	22.0	1	1610	25	290	0.4	1.2
BST-354	392236.41	6123705.50	1.71	9	1.5	870	56	19.9	3	5	11.0	0.22	0.25	21.2	2	1200	25	390	0.4	0.6
BST-355	393649.88	6123363.00	1.86	10	1.9	770	30	27.2	3	5	3.4	0.26	0.25	21.9	1	1180	25	410	0.3	0.8
BST-356a Analytical Duplicate	378960.09	6100575.00	1.64	3	1.6	800	34	20.6	3	1	1.9	0.35	0.25	22.6	4	1440	67	230	0.3	0.9
BST-356b Analytical Duplicate	378960.09	6100575.00	1.70	5	0.3	850	39	20.8	2	6	2.1	0.33	0.25	24.9	6	1360	25	270	0.3	0.9
BST-357	382146.16	6101546.50	1.87	3	0.3	630	39	22.8	3	1	2.2	0.25	0.25	21.0	1	960	25	250	0.2	0.6
BST-358	384700.47	6100007.50	1.88	8	0.9	650	35	24.1	3	2	0.8	0.25	0.25	24.7	1	1350	25	110	0.2	0.9
BST-359	377622.44	6094664.00	1.67	3	1.0	460	37	24.9	3	4	2.1	0.20	0.25	23.0	1	1050	25	230	0.2	0.5
BST-360	377658.47	6095328.00	1.62	3	0.7	670	26	24.2	3	4	1.8	0.24	0.25	24.3	1	1240	25	180	0.3	0.6
BST-361	376265.22	6096775.50	2.06	10	1.6	1300	46	24.7	4	8	2.7	0.42	0.80	17.8	1	2070	25	160	0.4	1.1
BST-362	380254.41	6098643.00	2.19	3	1.4	1200	67	16.5	6	3	2.2	0.15	0.25	29.3	1	754	25	260	0.3	0.3
BST-363	381867.97	6099542.00	1.92	26	2.1	1100	24	27.2	2	4	1.0	0.26	0.60	15.6	3	1130	25	110	0.3	0.7
BST-364	382689.63	6104796.00	1.87	8	1.9	1200	24	24.1	3	6	3.1	0.30	0.25	14.9	1	1190	25	230	0.3	0.7
BST-365	376956.47	6105531.50	1.77	7	1.5	780	17	24.6	3	8	4.6	0.38	0.25	19.6	1	1150	25	370	0.3	0.8
BST-366	376100.69	6107566.50	1.78	3	1.3	460	23	22.6	4	8	2.2	0.37	0.70	20.2	1	1310	170	260	0.2	0.8
BST-367	378498.88	6109643.00	1.78	9	1.7	520	71	19.5	4	6	2.5	0.36	0.25	24.6	1	1220	25	210	0.4	0.8
BST-368	375676.59	6109114.50	1.90	9	1.6	560	22	21.9	3	3	2.0	0.27	0.25	19.4	1	1120	25	200	0.2	0.6

Sample ID	Sr	Th	U	Zn	La	Ce	Nd	Sm	Eu	Yb	Lu	TREE
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	PPM
BST-1	430	0.1	0.05	3000	1.3	4	2.5	0.3	0.01	0.16	0.025	8
BST-2	150	0.5	0.05	1700	1.7	3	2.5	0.3	0.01	0.15	0.025	8
BST-3	740	0.2	0.05	2500	1.4	5	2.5	0.3	0.01	0.19	0.025	9
BST-4	150	0.3	0.05	2100	1.4	4	2.5	0.3	0.01	0.13	0.025	8
BST-5	620	0.4	0.20	2300	1.6	4	2.5	0.3	0.01	0.28	0.025	9
BST-6	1200	0.7	0.05	2900	2.9	5	2.5	0.6	0.01	0.23	0.025	11
BST-7	150	0.4	0.05	2700	2.4	6	2.5	0.5	0.01	0.22	0.025	12
BST-8a Analytical Duplicate	150	0.4	0.05	1900	1.5	3	2.5	0.3	0.01	0.17	0.025	8
BST-8b Analytical Duplicate	150	0.3	0.05	1900	1.4	4	2.5	0.2	0.01	0.19	0.025	8
BST-10	710	0.5	0.05	2200	1.8	2	2.5	0.3	0.01	0.22	0.050	6
BST-12	150	0.3	0.05	2500	1.7	4	2.5	0.3	0.01	0.12	0.025	9
BST-13	150	0.7	0.05	3400	3.8	9	2.5	0.8	0.01	0.40	0.060	17
BST-14	730	0.4	0.05	2500	1.9	3	2.5	0.3	0.01	0.03	0.025	8
BST-15	390	0.2	0.05	1800	1.6	4	2.5	0.3	0.01	0.18	0.025	9
BST-16-1 Field Duplicate	950	0.3	0.05	1500	2.0	5	2.5	0.4	0.01	0.13	0.025	10
BST-16-2 Field Duplicate	620	0.5	0.20	1300	2.3	6	2.5	0.5	0.01	0.18	0.025	12
BST-17	920	0.5	0.05	1900	3.2	6	2.5	0.6	0.19	0.28	0.025	13
BST-18	150	0.5	0.05	2800	2.5	5	2.5	0.5	0.01	0.26	0.025	11
BST-24	660	0.6	0.05	1900	3.2	7	2.5	0.6	0.01	0.26	0.025	14
BST-25	970	0.5	0.05	2700	1.7	6	2.5	0.3	0.01	0.25	0.025	11
BST-28	510	0.3	0.30	2500	2.6	5	2.5	0.4	0.16	0.15	0.025	11
BST-29	790	0.6	0.20	2600	3.4	6	2.5	0.6	0.01	0.28	0.025	13
BST-30a Analytical Duplicate	150	0.1	0.05	2700	3.6	8	2.5	0.6	0.01	0.24	0.025	15
BST-30b Analytical Duplicate	150	0.3	0.05	2600	3.6	6	2.5	0.6	0.01	0.29	0.025	13
BST-31	760	0.4	0.05	2100	2.3	5	2.5	0.4	0.01	0.25	0.025	10
BST-33	150	0.4	0.05	2600	2.5	4	2.5	0.4	0.01	0.22	0.025	10
BST-34	490	0.4	0.05	1600	2.2	6	2.5	0.4	0.16	0.20	0.025	11
BST-35-1 Field Duplicate	550	0.7	0.40	2100	3.3	5	2.5	0.6	0.01	0.18	0.025	12
BST-35-2 Field Duplicate	920	0.5	0.20	1600	3.0	6	2.5	0.5	0.01	0.19	0.025	12
BST-37	150	0.9	0.40	3100	5.2	10	2.5	0.9	0.17	0.35	0.060	19
BST-38	1100	1.0	0.60	1900	5.3	8	2.5	0.8	0.01	0.40	0.060	17
BST-39	790	1.0	0.40	2200	4.7	9	2.5	0.8	0.01	0.37	0.060	17
BST-40	670	0.4	0.05	1800	2.9	5	2.5	0.5	0.01	0.14	0.025	11
BST-41	430	0.2	0.05	1400	2.2	4	2.5	0.4	0.01	0.14	0.025	9
BST-42	150	0.8	0.30	2500	4.4	8	2.5	0.8	0.01	0.32	0.050	16
BST-43	830	0.9	0.05	2300	5.3	10	2.5	0.9	0.01	0.36	0.025	19
BST-44	470	0.8	0.05	1900	4.5	9	2.5	0.8	0.21	0.34	0.050	17
BST-45	150	0.4	0.30	2900	2.7	5	2.5	0.5	0.01	0.25	0.025	11
BST-46	150	0.8	0.05	2300	4.5	8	2.5	0.8	0.01	0.31	0.025	16
BST-47	650	0.5	0.05	1900	2.7	6	2.5	0.5	0.01	0.25	0.025	12
BST-48	1000	0.4	0.05	2600	3.2	6	2.5	0.6	0.01	0.25	0.025	13
BST-49	150	0.9	0.05	3100	3.5	7	2.5	0.6	0.01	0.25	0.025	14
BST-50-1 Field Duplicate	150	0.4	0.05	2400	3.0	7	2.5	0.6	0.17	0.21	0.025	14
BST-50-2 Field Duplicate	500	0.5	0.05	2400	3.1	7	2.5	0.6	0.01	0.27	0.025	14
BST-51	1000	0.6	0.20	2400	3.3	6	2.5	0.6	0.01	0.25	0.025	13
BST-52	800	0.6	0.05	3300	2.9	5	2.5	0.6	0.01	0.36	0.025	11

Sample ID	Sr ppm	Th ppm	U ppm	Zn ppm	La ppm	Ce ppm	Nd ppm	Sm ppm	Eu ppm	Yb ppm	Lu ppm	TREE PPM
BST-53-1 Field Duplicate	340	0.4	0.05	2100	2.2	5	2.5	0.5	0.01	0.18	0.025	10
BST-53-2 Field Duplicate	150	0.6	0.05	1400	4.1	10	2.5	0.8	0.23	0.40	0.060	18
BST-54	600	0.4	0.20	2000	2.8	5	2.5	0.6	0.01	0.29	0.025	11
BST-55	150	0.3	0.05	2200	2.3	5	2.5	0.5	0.01	0.21	0.025	11
BST-56	450	0.7	0.05	2800	3.6	8	2.5	0.7	0.01	0.32	0.060	15
BST-57	480	0.8	0.05	2600	1.8	8	2.5	0.7	0.23	0.40	0.060	14
BST-58	400	0.3	0.05	2800	2.0	5	2.5	0.3	0.01	0.16	0.025	10
BST-59	540	1.1	0.05	2300	5.2	9	2.5	0.8	0.01	0.42	0.060	18
BST-60	600	0.4	0.05	1600	2.4	6	2.5	0.3	0.18	0.19	0.025	12
BST-61	430	0.7	0.05	2600	3.1	7	2.5	0.5	0.01	0.31	0.050	13
BST-62	730	0.7	0.05	2100	3.1	7	2.5	0.4	0.01	0.21	0.025	13
BST-63	810	0.5	0.40	3300	3.2	7	2.5	0.5	0.01	0.30	0.025	14
BST-64a Analytical Duplicate	440	0.4	0.05	2100	1.8	6	2.5	0.4	0.01	0.27	0.025	11
BST-64b Analytical Duplicate	150	0.5	0.05	2000	2.1	5	2.5	0.3	0.01	0.23	0.025	10
BST-65	150	0.3	0.30	2100	2.4	5	2.5	0.4	0.01	0.27	0.025	11
BST-66	820	0.7	0.05	2300	2.5	6	2.5	0.4	0.18	0.31	0.025	12
BST-67	460	0.5	0.05	2200	1.2	2	2.5	0.2	0.01	0.27	0.025	6
BST-68	150	0.9	0.05	2600	4.2	8	2.5	0.7	0.01	0.50	0.025	16
BST-69-1 Field Duplicate	150	0.5	0.05	2000	3.2	7	2.5	0.5	0.01	0.26	0.025	13
BST-69-2 Field Duplicate	640	0.9	0.05	2300	3.1	8	2.5	0.5	0.01	0.25	0.025	14
BST-70	840	0.2	0.05	2700	2.2	5	2.5	0.4	0.01	0.12	0.025	10
BST-71	150	0.8	0.05	2900	2.5	4	2.5	0.4	0.01	0.31	0.050	10
BST-72	150	0.5	0.20	3700	2.5	6	2.5	0.4	0.01	0.22	0.025	12
BST-73	750	1.7	0.60	2000	7.5	16	2.5	1.2	0.01	0.66	0.100	28
BST-74	320	0.5	0.05	3000	3.1	4	2.5	0.5	0.01	0.33	0.025	10
BST-75	800	0.5	0.20	2200	3.1	7	2.5	0.5	0.01	0.28	0.025	13
BST-76-1 Field Duplicate	150	0.8	0.20	3200	3.0	6	2.5	0.5	0.01	0.32	0.050	12
BST-76-2 Field Duplicate	820	1.0	0.05	2100	4.1	9	2.5	0.7	0.01	0.45	0.060	17
BST-77a Analytical. Duplicate	600	0.6	0.40	2200	3.4	8	2.5	0.5	0.01	0.29	0.050	15
BST-77b Analytical Duplicate	610	0.9	0.40	2300	3.2	8	2.5	0.5	0.01	0.25	0.025	14
BST-78	150	0.2	0.05	2700	1.4	4	2.5	0.2	0.01	0.13	0.025	8
BST-79	830	0.3	0.05	4800	2.1	5	2.5	0.4	0.01	0.20	0.025	10
BST-80	730	0.3	0.05	2700	3.2	6	2.5	0.5	0.01	0.34	0.050	13
BST-81	630	0.7	0.40	2900	3.1	6	2.5	0.5	0.23	0.25	0.025	13
BST-82	800	0.7	0.05	3100	3.9	6	2.5	0.6	0.01	0.38	0.025	13
BST-83	740	0.9	0.50	2800	4.3	8	2.5	0.7	0.01	0.43	0.060	16
BST-84	840	0.9	0.05	2300	3.8	8	2.5	0.7	0.34	0.37	0.060	16
BST-85	830	1.1	0.30	3200	3.9	8	2.5	0.6	0.01	0.40	0.060	15
BST-86	750	0.9	0.05	2000	3.0	6	2.5	0.5	0.01	0.19	0.025	12
BST-87	1000	0.8	0.05	2900	4.5	9	2.5	0.7	0.01	0.46	0.070	17
BST-88	150	0.5	0.05	1900	1.4	4	2.5	0.3	0.01	0.24	0.025	8
BST-89	510	0.4	0.05	2800	2.3	2	2.5	0.4	0.01	0.14	0.025	7
BST-90	1100	0.6	0.05	3300	1.7	5	2.5	0.3	0.01	0.21	0.025	10
BST-91	150	0.1	0.05	1800	1.6	2	2.5	0.3	0.01	0.09	0.025	6
BST-93	150	0.2	0.05	1800	1.3	2	2.5	0.2	0.01	0.14	0.025	6
BST-94a Analytical Duplicate	150	0.2	0.05	2300	2.5	5	2.5	0.4	0.01	0.24	0.025	11
BST-94b Analytical Duplicate	150	0.3	0.05	2000	2.3	7	2.5	0.3	0.01	0.24	0.025	12
BST-96	910	0.3	0.05	2100	1.5	4	2.5	0.3	-0.03	0.12	0.025	8
BST-97	540	0.7	0.05	2000	3.5	9	2.5	0.6	0.01	0.29	0.050	16
BST-98	870	0.6	0.05	2100	2.6	4	2.5	0.4	0.01	0.26	0.025	10
BST-99	150	0.1	0.05	2800	1.9	4	2.5	0.4	0.01	0.03	0.025	9
BST-100	840	0.6	0.05	2000	4.4	8	8.0	0.8	0.39	0.30	0.050	22
BST-101a Analytical. Duplicate	1000	0.8	0.05	2800	3.3	8	2.5	0.6	0.01	0.31	0.050	15
BST-101b Analytical. Duplicate	710	0.8	0.05	3000	3.3	6	2.5	0.6	0.01	0.25	0.025	13

Sample ID	Sr ppm	Th ppm	U ppm	Zn ppm	La ppm	Ce ppm	Nd ppm	Sm ppm	Eu ppm	Yb ppm	Lu ppm	TREE PPM
BST-102-1 Field Duplicate	970	0 7	0 05	2200	2.1	4	2.5	0.4	0.01	0.18	0.025	9
BST-102-2 Field Duplicate	150	0 6	0 05	2500	2 6	6	2.5	0.5	0.01	0.24	0.025	12
BST-103	630	0 5	0 50	2500	2 5	6	2.5	0.4	0.01	0.23	0.025	12
BST-104	150	0 7	0 40	3400	3 0	6	2.5	0.5	0.01	0.32	0.025	12
BST-105	470	0.6	0 05	2000	3 6	6	2.5	0.5	0.01	0.28	0.025	13
BST-106	150	0.8	0.20	2700	3 4	7	2.5	0.6	0.01	0.29	0.025	14
BST-109	680	0 8	0.40	1400	3.2	5	2.5	0.5	0.01	0.26	0.025	11
BST-110	150	0.4	0.50	2400	2.5	5	2.5	0.4	0.01	0.23	0.025	11
BST-113	150	0.1	0.60	2200	1.7	2	2.5	0.2	0.01	0.21	0.025	6
BST-114	640	0.6	0.05	2000	1.8	5	2.5	0.3	0.01	0.03	0.025	10
BST-115	780	0.5	0.05	2700	2.9	7	2.5	0.4	0.01	0.28	0.025	13
BST-116	150	0.6	0.05	3600	2.9	7	2.5	0.4	0.01	0.34	0.025	13
BST-117	660	0.8	0.05	1900	2.0	2	2.5	0.5	0.01	0.29	0.025	7
BST-118a Analytical Duplicate	150	1.0	0.05	2200	4.6	8	2.5	0.7	0.22	0.43	0.060	17
BST-118b Analytical Duplicate	150	0.9	0.05	2200	4.0	7	2.5	0.7	0.01	0.44	0.070	15
BST-119	150	0.7	0.05	2200	2.7	6	2.5	0.4	0.01	0.18	0.025	12
BST-120	150	0.4	0.05	2400	1.3	2	2.5	0.3	0.01	0.18	0.025	6
BST-121	340	0.2	0.05	1600	2.2	7	2.5	0.3	0.01	0.26	0.025	12
BST-122	150	0.4	0.05	2400	1.8	4	2.5	0.3	0.01	0.03	0.025	9
BST-124	440	0.1	0.05	3000	1.1	4	2.5	0.2	0.01	0.03	0.025	8
BST-125	150	0.1	0.05	2000	1.1	2	2.5	0.2	0.01	0.03	0.025	5
BST-126	540	0.2	0.05	2400	1.0	2	2.5	0.2	0.01	0.03	0.025	5
BST-128	400	0.6	0.05	2300	2.6	5	2.5	0.4	0.01	0.19	0.025	11
BST-130-1 Field Duplicate	150	0.5	0.05	2800	2.8	8	2.5	0.5	0.01	0.27	0.025	14
BST-130-2 Field Duplicate	150	0.9	0.05	2900	4.8	8	2.5	0.7	0.01	0.33	0.080	16
BST-131	150	0.1	0.05	1900	1.1	2	2.5	0.2	0.01	0.03	0.025	5
BST-133a Analytical Duplicate	730	0.1	0.05	1600	1.3	2	2.5	0.2	0.01	0.19	0.025	6
BST-133b Analytical Duplicate	780	0.1	0.05	1600	1.3	2	2.5	0.2	0.01	0.18	0.025	6
BST-134	150	0.7	0.40	2900	2.8	5	2.5	0.5	-0.03	0.27	0.025	11
BST-135	150	0.2	0.30	2000	1.8	4	2.5	0.3	-0.03	0.19	0.025	9
BST-136	390	0.5	0.05	1700	1.9	3	2.5	0.3	-0.03	0.25	0.025	8
BST-137-1 Field Duplicate	1300	0.3	0.05	2400	2.4	5	2.5	0.4	-0.03	0.19	0.025	10
BST-137-2 Field Duplicate	1200	0.6	0.05	3300	4.3	10	2.5	0.7	-0.03	0.35	0.025	18
BST-138	950	0.1	0.05	1800	1.4	2	2.5	0.2	-0.03	0.15	0.025	6
BST-139	870	0.4	0.05	2800	2.9	6	2.5	0.4	0.14	0.28	0.025	12
BST-140	650	0.2	0.05	2750	2.5	5	2.5	0.4	0.01	0.22	0.025	11
BST-142	480	0.1	0.05	1700	0.9	3	2.5	0.2	0.01	0.16	0.025	7
BST-143a Analytical Duplicate	150	0.3	0.05	2250	2.0	4	2.5	0.3	0.01	0.13	0.025	9
BST-143b Analytical Duplicate	150	0.3	0.05	2350	2.1	4	2.5	0.3	0.01	0.19	0.025	9
BST-145	150	0.7	0.05	2100	2.7	5	2.5	0.5	0.01	0.22	0.025	11
BST-147	150	0.1	0.05	1300	1.2	2	2.5	0.2	0.01	0.03	0.025	5
BST-149-1 Field Duplicate	150	0.1	0.05	1800	1.3	2	2.5	0.2	0.01	0.03	0.025	6
BST-149-2 Field Duplicate	150	0.3	0.05	2500	1.0	2	2.5	0.2	0.01	0.16	0.025	5
BST-151	150	0.3	0.05	2100	2.5	2	2.5	0.4	0.01	0.29	0.050	7
BST-152	460	0.2	0.30	2000	1.3	2	2.5	0.2	0.01	0.03	0.025	6
BST-153	590	0.2	0.05	2100	1.0	2	2.5	0.1	0.01	0.03	0.025	5
BST-154	350	0.1	0.05	1600	0.9	2	2.5	0.2	0.01	0.03	0.025	5
BST-155	150	0.2	0.05	1900	1.8	2	2.5	0.2	0.01	0.03	0.025	6
BST-157	150	0.4	0.05	2500	1.4	2	2.5	0.2	0.01	0.03	0.025	6
BST-159	150	0.4	0.05	2400	2.0	5	2.5	0.3	0.01	0.25	0.025	10
BST-160	150	0.1	0.05	2800	1.5	4	2.5	0.2	0.01	0.13	0.025	8
BST-161	890	0.1	0.05	1500	1.1	2	2.5	0.2	0.01	0.12	0.025	5
BST-162a Analytical Duplicate	720	0.3	0.05	1700	1.5	3	2.5	0.2	0.01	0.12	0.025	7
BST-162b Analytical Duplicate	890	0.1	0.05	1700	1.5	2	2.5	0.2	0.01	0.03	0.025	6

Sample ID	Sr ppm	Th ppm	U ppm	Zn ppm	La ppm	Ce ppm	Nd ppm	Sm ppm	Eu ppm	Yb ppm	Lu ppm	TREE PPM
BST-163	530	0.5	0.05	2200	1.8	2	2.5	0.3	0.01	0.14	0.025	6
BST-164	150	0.2	0.05	2200	2.0	3	2.5	0.4	0.01	0.22	0.025	8
BST-166	150	0.3	0.05	1800	1.2	2	2.5	0.2	0.01	0.16	0.025	6
BST-167	150	0.1	0.05	2000	0.6	5	2.5	0.1	0.01	0.03	0.025	8
BST-168	320	0.2	0.05	1400	1.9	4	2.5	0.3	0.12	0.17	0.025	9
BST-169	150	0.4	0.05	2500	2.0	5	2.5	0.3	0.01	0.17	0.025	10
BST-170	150	0.4	0.05	2100	1.7	3	2.5	0.3	0.01	0.20	0.025	8
BST-171-1 Field Duplicate	150	0.3	0.20	1900	1.1	2	2.5	0.2	0.17	0.03	0.025	6
BST-171-2 Field Duplicate	670	0.1	0.05	2200	1.9	2	2.5	0.3	0.01	0.16	0.025	6
BST-173	150	0.4	0.05	1900	1.8	4	2.5	0.3	0.01	0.23	0.025	9
BST-174	150	0.2	0.20	1900	1.4	3	2.5	0.2	0.01	0.21	0.025	7
BST-175	150	0.2	0.05	2650	1.6	2	2.5	0.2	0.01	0.14	0.025	6
BST-177	150	0.5	0.05	2200	1.7	4	2.5	0.3	0.01	0.22	0.025	9
BST-179-1 Field Duplicate	1100	0.4	0.30	2700	1.8	2	2.5	0.3	0.20	0.21	0.025	7
BST-179-2 Field Duplicate	570	0.5	0.05	2100	3.1	6	2.5	0.4	0.01	0.30	0.050	12
BST-180	150	0.7	0.05	3700	2.5	5	2.5	0.4	0.01	0.41	0.060	11
BST-181	150	1.0	0.05	2800	3.4	7	2.5	0.5	0.01	0.41	0.050	14
BST-182	150	0.5	0.05	2200	2.4	4	2.5	0.4	0.01	0.23	0.025	10
BST-201	310	0.6	0.30	2900	2.3	5	2.5	0.4	0.20	0.21	0.025	11
BST-202	870	0.4	0.05	3400	2.5	5	2.5	0.4	0.01	0.23	0.025	11
BST-203a Analytical Duplicate	150	0.3	0.05	3900	2.1	5	2.5	0.4	0.01	0.17	0.025	10
BST-203b Analytical Duplicate	150	0.4	0.05	3900	1.9	3	2.5	0.4	0.01	0.20	0.025	8
BST-204	610	0.6	0.05	2800	3.0	6	2.5	0.6	0.23	0.21	0.025	13
BST-205	770	0.9	0.05	2400	3.1	6	2.5	0.5	0.01	0.31	0.025	12
BST-206	150	0.3	0.30	3500	2.4	6	2.5	0.4	0.01	0.03	0.025	11
BST-207	520	0.6	0.05	2500	1.6	2	2.5	0.3	0.01	0.25	0.025	6
BST-208	150	0.5	0.05	3000	2.4	5	2.5	0.4	0.01	0.19	0.025	11
BST-209	150	0.7	0.05	2600	2.9	5	2.5	0.5	0.01	0.39	0.025	11
BST-210	370	0.6	0.05	2600	2.1	5	2.5	0.4	0.01	0.35	0.060	10
BST-211	150	0.4	0.40	2200	2.1	6	2.5	0.4	0.01	0.20	0.050	11
BST-212	680	0.6	0.05	2900	1.8	2	2.5	0.3	0.01	0.22	0.025	6
BST-213	150	0.3	0.05	2400	2.4	4	2.5	0.4	0.01	0.15	0.025	9
BST-214	150	0.3	0.05	3500	2.2	5	2.5	0.4	0.01	0.29	0.050	10
BST-215-1 Field Duplicate	480	0.1	0.05	2300	1.9	4	2.5	0.3	0.01	0.11	0.025	9
BST-215-2 Field Duplicate	410	0.3	0.05	2300	1.6	4	2.5	0.3	0.01	0.03	0.025	8
BST-216	150	0.6	0.50	2700	2.5	4	2.5	0.3	0.01	0.28	0.025	10
BST-217	150	0.1	0.05	2300	1.8	5	2.5	0.4	0.01	0.22	0.025	10
BST-218-1 Field Duplicate	460	0.4	0.05	2600	1.7	4	2.5	0.3	0.01	0.03	0.025	9
BST-218-2 Field Duplicate	150	0.7	0.05	3200	2.6	5	2.5	0.4	0.01	0.12	0.025	11
BST-219	150	0.3	0.05	2400	2.0	2	2.5	0.3	0.01	0.17	0.025	7
BST-220	150	0.6	0.05	1400	2.2	6	2.5	0.3	0.01	0.14	0.025	11
BST-221	580	0.1	0.05	3300	2.6	7	2.5	0.4	0.01	0.22	0.025	13
BST-222	150	0.4	0.05	2300	3.1	6	2.5	0.5	0.01	0.03	0.025	12
BST-223	150	0.3	0.05	2500	2.0	5	2.5	0.3	0.01	0.16	0.025	10
BST-224	150	0.4	0.60	2500	2.1	4	2.5	0.3	0.01	0.03	0.025	9
BST-225	550	0.5	0.50	2900	3.3	8	2.5	0.5	0.01	0.35	0.050	15
BST-226	460	0.4	0.05	2600	2.6	4	2.5	0.4	0.17	0.25	0.025	10
BST-227	150	0.6	0.05	3000	2.8	5	2.5	0.4	0.01	0.36	0.025	11
BST-228a Analytical. Duplicate	150	0.6	0.05	2400	3.4	7	2.5	0.6	0.01	0.03	0.025	14
BST-228b Analytical. Duplicate	150	0.7	0.05	2300	3.5	10	2.5	0.6	0.01	0.21	0.025	17
BST-229	150	0.7	0.05	3200	3.1	8	2.5	0.5	0.01	0.34	0.025	14
BST-230	150	0.8	0.05	2300	3.4	8	2.5	0.5	0.11	0.31	0.050	15
BST-231-1 Field Duplicate	1000	0.6	0.05	4100	3.1	7	2.5	0.4	0.01	0.22	0.025	13
BST-231-2 Field Duplicate	1400	0.9	0.05	3400	3.8	7	2.5	0.6	0.01	0.34	0.050	14

Sample ID	Sr ppm	Th ppm	U ppm	Zn ppm	La ppm	Ce ppm	Nd ppm	Sm ppm	Eu ppm	Yb ppm	Lu ppm	TREE PPM
BST-232	480	0 6	0 05	2200	2.5	7	2.5	0.3	0.01	0 03	0.025	12
BST-233	150	0 7	0 05	2900	2.5	5	2.5	0.4	0.01	0.30	0.025	11
BST-234	780	0 8	0 05	3400	3.8	7	2.5	0 6	0.01	0 38	0.050	14
BST-235	540	0.3	0 05	2400	1.4	3	2.5	0.2	0.01	0.18	0.025	7
BST-236a Analytical Duplicate	150	0 8	0 05	2500	2.9	5	2.5	0.5	0.01	0.18	0.025	11
BST-236b Analytical Duplicate	150	0.4	0 05	2500	2.8	5	2.5	0.5	0.01	0.19	0.025	11
BST-237	450	0.4	0.50	2400	1.5	2	2.5	0.2	0.01	0.10	0.025	6
BST-238	490	0.5	0.05	2300	3.2	7	2.5	0.5	0.17	0.33	0.025	14
BST-239	150	0.7	0.05	3500	2.7	6	2.5	0.6	0.17	0.24	0.025	12
BST-240	1100	0.9	0.05	2600	3.9	7	2.5	0.6	0.01	0.31	0.050	14
BST-241	710	0.6	0.05	2500	3.0	5	2.5	0.5	0.01	0.30	0.050	11
BST-242	550	1.3	0.05	4200	7.4	15	2.5	1.2	0.24	0.44	0.070	27
BST-243	150	0.3	0.05	2600	1.9	2	2.5	0.3	0.09	0.03	0.025	6
BST-244	150	0.3	0.05	2000	1.9	2	2.5	0.3	0.01	0.23	0.025	6
BST-245	150	0.7	0.05	2200	3.3	7	2.5	0.6	0.01	0.36	0.025	14
BST-246a Analytical Duplicate	1300	0.5	0.05	2300	2.3	2	2.5	0.3	0.17	0.23	0.025	7
BST-246b Analytical Duplicate	1400	0.6	0.05	2500	2.8	7	2.5	0.4	0.19	0.20	0.025	13
BST-247	300	0.4	0.05	2500	2.8	5	2.5	0.4	0.01	0.18	0.025	11
BST-248	540	0.6	0.05	3300	2.9	6	2.5	0.4	0.01	0.24	0.025	12
BST-249	620	0.7	0.05	2000	3.3	7	2.5	0.5	0.01	0.25	0.050	14
BST-250-1 Field Duplicate	830	0.5	0.05	3200	2.4	4	2.5	0.4	0.01	0.03	0.025	9
BST-250-2 Field Duplicate	550	0.4	0.05	2100	1.6	4	2.5	0.3	0.01	0.09	0.025	9
BST-251	150	0.3	0.05	1500	1.4	3	2.5	0.2	0.01	0.13	0.025	7
BST-252	150	0.5	0.05	2900	2.5	6	2.5	0.5	0.01	0.23	0.025	12
BST-253	150	0.6	0.05	2000	1.7	4	2.5	0.3	0.01	0.17	0.025	9
BST-254	150	0.2	0.05	2100	1.7	2	2.5	0.3	0.01	0.23	0.025	6
BST-255	360	0.4	0.05	2000	2.8	4	2.5	0.5	0.19	0.24	0.025	10
BST-256	450	0.6	0.05	2400	2.2	4	2.5	0.3	0.01	0.17	0.025	9
BST-257	150	0.2	0.05	1800	1.2	2	2.5	0.2	0.01	0.14	0.025	6
BST-258	540	0.5	0.05	2300	3.6	8	8.0	0.6	0.01	0.26	0.025	20
BST-259	150	0.7	0.05	2700	3.5	7	6.0	0.7	0.23	0.25	0.025	18
BST-260	150	0.5	0.05	2300	2.4	4	2.5	0.4	0.01	0.17	0.025	10
BST-261	150	0.4	0.05	3000	1.8	4	2.5	0.3	0.01	0.19	0.025	9
BST-262a Analytical Duplicate	970	1.0	0.05	2400	5.4	11	2.5	0.9	0.28	0.51	0.090	21
BST-262b Analytical Duplicate	560	0.9	0.50	2400	4.9	9	2.5	0.8	0.19	0.42	0.070	18
BST-263	150	0.5	0.05	2900	3.1	6	2.5	0.5	0.01	0.22	0.025	12
BST-264	150	0.4	0.05	2400	2.3	4	2.5	0.3	0.01	0.17	0.025	9
BST-265-1 Field Duplicate	150	0.3	0.05	2600	1.7	4	2.5	0.3	0.01	0.25	0.025	9
BST-265-2 Field Duplicate	150	0.5	0.05	3800	2.4	2	2.5	0.4	0.01	0.23	0.025	7
BST-266	980	0.4	0.05	2400	2.7	6	2.5	0.4	0.01	0.16	0.025	12
BST-267	710	1.0	0.05	3700	5.1	13	2.5	0.8	0.01	0.39	0.060	22
BST-268	150	0.4	0.05	2600	2.1	2	2.5	0.4	0.01	0.22	0.025	7
BST-269	730	0.5	0.05	2100	2.0	3	2.5	0.4	0.01	0.14	0.025	8
BST-270	470	0.4	0 05	2000	2.4	4	2.5	0.4	0.01	0.22	0.025	10
BST-271	150	0.7	0.05	3100	2.6	5	2.5	0.5	0.01	0.21	0.050	11
BST-272	1000	0.7	0.05	3100	3.1	6	2.5	0.6	0.01	0.27	0.025	13
BST-273	150	0.6	0.05	2300	1.9	2	2.5	0.3	0.01	0.03	0.025	6
BST-274	600	0.5	0.05	2000	2.2	5	2.5	0.4	0.01	0.16	0.025	10
BST-275	850	0.7	0.05	2600	3.9	10	2.5	0.7	0.01	0.34	0.025	17
BST-276	150	0.4	0.05	1700	1.8	4	2.5	0.3	0.01	0.03	0.025	9
BST-277	150	0.5	0.20	2000	2.6	5	2.5	0.4	0.01	0.29	0.025	11
BST-278a Analytical Duplicate	150	0.4	0.05	1300	1.6	3	2.5	0.3	0.01	0.11	0.025	8
BST-278b Analytical Duplicate	390	0.4	0.05	1300	1.7	2	2.5	0.3	0.01	0.13	0.025	6
BST-279	430	0.1	0.05	2500	1.6	2	2.5	0.3	-0.03	0.19	0.025	6

Sample ID	Sr ppm	Th ppm	U ppm	Zn ppm	La ppm	Ce ppm	Nd ppm	Sm ppm	Eu ppm	Yb ppm	Lu ppm	TREE PPM
BST-280	570	0.9	0.30	3100	3.6	7	2.5	0.6	0.01	0.38	0.050	14
BST-281-1 Field Duplicate	440	0.3	0.05	2500	1.9	5	2.5	0.3	0.01	0.18	0.025	10
BST-281-2 Field Duplicate	150	0.9	0.60	3300	3.6	7	2.5	0.5	0.01	0.29	0.050	14
BST-282	150	0.6	0.05	3200	3.4	9	2.5	0.5	0.01	0.28	0.025	16
BST-283	480	0.5	0.05	2400	2.1	4	2.5	0.3	0.01	0.19	0.025	9
BST-284	340	0.5	0.05	2200	2.0	2	2.5	0.3	0.01	0.19	0.025	7
BST-285	550	0.3	0.20	3300	2.0	4	2.5	0.3	0.01	0.16	0.025	9
BST-286	460	0.4	0.05	2400	2.3	5	2.5	0.3	-0.03	0.27	0.025	10
BST-287	420	0.3	0.05	2200	2.5	5	2.5	0.3	-0.03	0.23	0.025	11
BST-288	150	0.7	0.40	2700	3.5	6	2.5	0.5	0.01	0.34	0.050	13
BST-289	830	0.4	0.30	1700	2.5	5	2.5	0.3	0.01	0.23	0.025	11
BST-290	600	0.8	0.05	2200	2.9	5	2.5	0.5	0.01	0.19	0.025	11
BST-291	520	0.6	0.05	2300	2.3	4	2.5	0.3	0.01	0.25	0.025	9
BST-292	150	0.5	0.60	2900	3.0	4	2.5	0.5	0.01	0.26	0.025	10
BST-293	150	0.6	0.40	2800	3.5	5	2.5	0.5	0.01	0.30	0.025	12
BST-294	430	0.4	0.05	3000	1.9	2	2.5	0.2	0.01	0.03	0.025	6
BST-295	390	0.8	0.30	1800	3.0	6	2.5	0.5	0.01	0.24	0.025	12
BST-296a Analytical Duplicate	820	1.0	0.05	3200	4.5	7	2.5	0.6	0.01	0.35	0.050	15
BST-296b Analytical Duplicate	570	0.8	0.20	2900	4.2	7	2.5	0.5	0.13	0.23	0.025	15
BST-297	150	0.6	0.20	3400	2.8	6	2.5	0.4	0.01	0.21	0.025	12
BST-298	480	0.2	0.05	2200	2.2	5	2.5	0.4	0.01	0.19	0.025	10
BST-299	150	1.3	0.05	2900	6.4	13	2.5	1.0	0.25	0.33	0.025	24
BST-300	150	0.5	0.05	2100	2.0	5	2.5	0.3	0.09	0.11	0.025	10
BST-301	380	0.4	0.05	1900	2.3	6	2.5	0.3	0.01	0.22	0.025	11
BST-302	150	0.2	0.05	2100	1.5	4	2.5	0.2	0.01	0.19	0.025	8
BST-303	150	1.2	0.05	2700	5.3	11	2.5	0.8	0.16	0.32	0.025	20
BST-304	960	0.4	0.05	2300	2.4	7	2.5	0.4	0.06	0.12	0.025	13
BST-305	150	0.5	0.05	3300	2.4	6	2.5	0.4	0.01	0.11	0.025	11
BST-306	430	0.3	0.05	2700	2.6	6	2.5	0.4	0.01	0.28	0.025	12
BST-307	580	0.1	0.05	1700	1.9	2	2.5	0.3	0.01	0.14	0.025	6
BST-308	150	0.8	0.50	2300	4.4	8	2.5	0.8	0.01	0.45	0.070	16
BST-309	460	0.5	0.05	2400	3.0	8	2.5	0.5	0.01	0.26	0.025	14
BST-310-1 Field Duplicate	150	0.8	0.05	3000	4.6	8	12.0	0.8	0.01	0.40	0.025	26
BST-310-2 Field Duplicate	150	0.4	0.05	1700	2.4	5	2.5	0.4	0.01	0.32	0.025	11
BST-311a Analytical Duplicate	500	0.4	0.05	2000	2.6	4	2.5	0.4	0.01	0.30	0.025	10
BST-311b Analytical Duplicate	410	0.5	0.05	1900	2.0	5	2.5	0.4	0.01	0.03	0.025	10
BST-312	150	0.5	0.05	3000	2.4	4	2.5	0.4	0.01	0.16	0.025	9
BST-313	510	1.1	0.05	3000	4.5	10	2.5	0.8	0.10	0.50	0.080	18
BST-314	960	0.7	0.05	4800	3.7	8	2.5	0.6	-0.03	0.31	0.025	15
BST-315	150	0.4	0.30	2400	2.2	5	2.5	0.3	-0.03	0.28	0.025	10
BST-316	150	0.3	0.05	3300	2.4	5	2.5	0.4	-0.03	0.16	0.025	10
BST-317	680	0.6	0.60	2900	3.3	7	2.5	0.6	-0.03	0.25	0.025	14
BST-318	2100	1.0	0.05	3700	4.8	8	7.0	0.9	-0.03	0.34	0.060	21
BST-319	150	0.6	0.05	3700	3.5	6	2.5	0.6	-0.03	0.36	0.050	13
BST-320	150	1.0	0.30	4000	5.6	10	2.5	0.9	0.26	0.53	0.090	20
BST-321	150	0.4	0.30	2100	3.0	5	2.5	0.4	-0.03	0.25	0.025	11
BST-322	150	0.9	0.50	3900	3.9	8	2.5	0.6	-0.04	0.42	0.060	15
BST-323	1200	0.4	0.05	2300	3.1	6	2.5	0.5	-0.03	0.18	0.025	12
BST-324	150	1.0	0.05	4100	5.3	10	8.0	0.9	-0.03	0.52	0.090	25
BST-325	770	0.5	0.05	2500	2.5	5	2.5	0.4	-0.03	0.22	0.025	11
BST-326	420	0.5	0.05	1800	4.0	9	2.5	0.6	0.01	0.28	0.050	16
BST-327	500	0.1	0.05	3000	1.6	3	2.5	0.2	0.01	0.03	0.025	7
BST-328	740	0.7	0.05	3400	3.1	7	2.5	0.5	0.01	0.19	0.025	13

Sample ID	Sr ppm	Th ppm	U ppm	Zn ppm	La ppm	Ce ppm	Nd ppm	Sm ppm	Eu ppm	Yb ppm	Lu ppm	TREE PPM
BST-329-1 Field Duplicate	800	0.4	0.05	3200	2.7	4	2.5	0.4	0.01	0.16	0.025	10
BST-329-2 Field Duplicate	820	0.4	0.05	2200	2.3	5	2.5	0.4	0.01	0.31	0.050	11
BST-330	1200	0.4	0.05	2500	2.4	4	2.5	0.4	0.18	0.24	0.025	10
BST-331	150	0.6	0.05	2700	2.7	4	2.5	0.4	0.01	0.20	0.025	10
BST-332a Analytical Duplicate	380	0.3	0.05	2000	2.2	6	2.5	0.4	0.01	0.24	0.025	11
BST-332b Analytical Duplicate	450	0.3	0.05	2100	2.5	5	2.5	0.4	0.01	0.23	0.025	11
BST-333	740	0.2	0.05	2700	2.4	6	2.5	0.4	0.01	0.24	0.025	12
BST-334	150	0.4	0.50	3500	3.5	7	2.5	0.5	0.01	0.26	0.025	14
BST-335	150	0.5	0.05	2600	2.6	6	2.5	0.5	0.01	0.24	0.025	12
BST-336	150	0.6	0.50	3300	4.7	9	2.5	0.7	0.01	0.37	0.060	17
BST-337	760	0.4	0.05	1900	1.6	2	2.5	0.3	0.01	0.13	0.025	6
BST-338	1400	0.8	0.50	2300	4.1	9	2.5	0.6	-0.03	0.31	0.050	17
BST-339	800	0.6	0.05	2600	2.7	4	2.5	0.4	0.01	0.25	0.025	10
BST-340	850	0.1	0.05	2700	1.9	4	2.5	0.3	0.01	0.18	0.025	9
BST-341	820	0.3	0.05	2400	2.3	6	2.5	0.4	0.05	0.24	0.025	12
BST-342	150	0.6	0.05	3000	4.1	8	2.5	0.6	0.01	0.28	0.025	16
BST-343a Analytical Duplicate	150	0.2	0.05	1700	1.7	2	2.5	0.3	0.01	0.16	0.025	6
BST-343b Analytical Duplicate	150	0.2	0.05	1700	1.6	2	2.5	0.3	0.01	0.03	0.025	6
BST-344	320	0.2	0.05	1700	2.3	5	2.5	0.4	0.01	0.21	0.025	10
BST-345-1 Field Duplicate	150	0.3	0.05	2100	1.4	2	2.5	0.3	0.01	0.15	0.025	6
BST-345-2 Field Duplicate	150	0.1	0.05	2100	1.0	4	2.5	0.2	0.01	0.03	0.025	8
BST-346	540	0.6	0.05	2500	1.9	3	2.5	0.3	0.01	0.03	0.025	8
BST-347	150	0.6	0.05	2600	2.5	4	2.5	0.4	0.01	0.24	0.025	10
BST-348	150	0.9	0.05	3300	2.9	5	2.5	0.5	0.01	0.30	0.025	11
BST-349	150	0.4	0.05	3200	2.6	3	2.5	0.4	0.01	0.25	0.025	9
BST-350	690	0.6	0.05	2000	2.5	5	2.5	0.4	0.01	0.15	0.025	11
BST-351	590	1.0	0.05	2800	4.0	8	2.5	0.6	0.01	0.29	0.025	15
BST-352	150	0.4	0.05	2500	2.4	5	2.5	0.4	0.01	0.03	0.025	10
BST-353	630	0.5	0.05	2600	3.5	7	2.5	0.5	0.17	0.24	0.025	14
BST-354	620	0.2	0.05	2100	1.6	4	2.5	0.2	0.01	0.14	0.025	8
BST-355	150	0.4	0.05	2200	1.9	2	2.5	0.3	0.01	0.18	0.025	6
BST-356a Analytical Duplicate	150	0.6	0.05	2300	2.9	5	2.5	0.3	0.01	0.22	0.025	11
BST-356b Analytical Duplicate	150	0.3	0.05	2600	2.5	4	2.5	0.4	0.01	0.22	0.025	10
BST-357	370	0.3	0.05	2500	1.7	5	2.5	0.2	0.01	0.03	0.025	9
BST-358	1400	0.5	0.05	2900	2.2	2	2.5	0.4	0.01	0.03	0.025	7
BST-359	570	0.2	0.05	2800	1.3	3	2.5	0.2	0.01	0.03	0.025	7
BST-360	540	0.4	0.05	3700	1.7	2	2.5	0.2	0.01	0.15	0.025	6
BST-361	150	0.5	0.05	1800	3.8	7	2.5	0.6	0.01	0.30	0.050	14
BST-362	150	0.3	0.05	1500	0.9	2	2.5	0.1	0.01	0.03	0.025	5
BST-363	150	0.3	0.05	2500	2.2	4	2.5	0.4	0.01	0.03	0.025	9
BST-364	150	0.2	0.05	2600	2.3	2	2.5	0.4	0.01	0.15	0.025	7
BST-365	150	0.3	0.05	2500	2.3	5	2.5	0.4	0.01	0.21	0.025	10
BST-366	690	0.7	0.05	3400	2.6	5	2.5	0.5	0.01	0.25	0.025	11
BST-367	150	0.3	0.05	2800	2.6	7	2.5	0.4	0.01	0.03	0.025	13
BST-368	630	0.3	0.05	2400	1.8	5	2.5	0.3	0.01	0.03	0.025	10

Appendix V-5

Duplicate Pair INA Analyses.

Sample ID	UTM Easting	UTM Northing	Ash %	Au ppb	As ppm	Ba ppm	Br ppm	Ca %	Co ppm	Cr ppm	Cs ppm	Fe %	Hf ppm	K %	Mo ppm	Na ppm	Ni ppm	Rb ppm	Sb ppm	Sc ppm
BST-8a Analytical Duplicate	384794.28	6092294.50	1.85	7	1.3	720	31	29.6	3	4	2.5	0.20	0.25	17.8	1	1210	25	280	0.3	0.5
BST-8b Analytical Duplicate	384794.28	6092294.50	1.90	10	1.7	650	30	27.2	3	1	2.9	0.17	0.25	17.5	1	1220	59	260	0.2	0.4
BST-16-1 Field Duplicate	389243.59	6093479.00	1.70	7	2.3	2300	26	25.9	6	8	8.2	0.26	0.80	15.0	1	1270	110	480	0.3	0.6
BST-16-2 Field Duplicate	389243.59	6093479.00	2.03	13	1.4	1600	27	26.0	5	7	5.6	0.31	0.25	14.2	1	1620	25	450	0.5	0.7
BST-30a Analytical Duplicate	387156.56	6099410.50	1.86	11	3.0	610	45	24.0	4	9	2.4	0.39	0.25	19.9	1	2690	100	240	0.8	0.9
BST-30b Analytical Duplicate	387156.56	6099410.50	1.84	17	2.0	630	40	21.9	4	7	2.3	0.40	0.25	20.1	4	2830	120	220	0.7	0.9
BST-35-1 Field Duplicate	386267.97	6101746.50	1.96	9	2.3	1000	11	26.7	3	7	4.3	0.35	0.60	13.9	1	1630	25	170	0.5	0.9
BST-35-2 Field Duplicate	386267.97	6101746.50	2.39	11	2.0	2100	13	34.1	3	6	5.9	0.34	0.60	10.0	3	1720	25	190	0.3	0.8
BST-50-1 Field Duplicate	394790.84	6100997.50	1.82	8	2.7	680	20	30.3	3	5	0.9	0.36	0.80	13.5	1	1580	25	57	0.4	1.0
BST-50-2 Field Duplicate	394790.84	6100997.50	1.80	9	2.0	670	19	30.0	3	7	0.9	0.41	0.60	13.1	1	1640	25	57	0.4	1.1
BST-53-1 Field Duplicate	399544.66	6095816.50	1.80	16	2.0	560	24	29.4	3	5	8.8	0.25	0.25	11.5	1	1240	25	350	0.4	0.7
BST-53-2 Field Duplicate	399544.66	6095816.50	1.88	10	2.6	1200	43	28.5	5	11	3.9	0.45	0.50	13.1	1	2370	25	310	0.4	1.3
BST-64a Analytical Duplicate	392280.47	6100523.00	1.87	17	2.8	820	14	27.0	4	6	3.3	0.33	0.25	15.5	1	2040	25	160	0.6	0.9
BST-64b Analytical Duplicate	392280.47	6100523.00	1.92	9	1.2	780	17	26.7	4	4	2.5	0.28	0.25	13.1	1	1190	80	140	0.4	0.7
BST-69-1 Field Duplicate	398290.31	6099503.50	2.07	15	1.5	1200	26	27.3	4	6	2.2	0.32	0.25	17.2	1	1540	25	250	0.3	0.9
BST-69-2 Field Duplicate	398290.31	6099503.50	1.72	18	1.8	2300	31	28.3	4	5	2.2	0.34	0.25	16.6	1	1920	25	240	0.4	0.9
BST-76-1 Field Duplicate	405489.13	6108952.50	1.90	17	2.1	1600	30	26.0	4	7	1.8	0.36	0.70	15.5	8	1780	25	160	0.4	0.9
BST-76-2 Field Duplicate	405489.13	6108952.50	2.13	15	2.3	1600	26	29.3	4	9	1.9	0.46	1.10	11.2	8	2000	25	150	0.5	1.3
BST-77a Analytical Duplicate	407618.00	6108196.00	1.81	16	1.9	1800	40	25.2	13	8	3.3	0.37	1.00	14.0	1	2320	100	240	0.5	0.9
BST-77b Analytical Duplicate	407618.00	6108196.00	1.84	19	1.7	1700	42	24.3	14	8	3.3	0.39	0.90	14.4	1	2520	82	250	0.5	0.9
BST-94a Analytical Duplicate	389081.13	6092532.00	1.56	7	0.9	640	18	21.0	3	6	5.0	0.41	0.25	25.2	1	1950	25	500	0.4	0.8
BST-94b Analytical Duplicate	389081.13	6092532.00	1.60	8	2.0	610	17	21.6	2	8	4.8	0.28	0.25	25.9	1	1830	25	540	0.3	0.6
BST-101a Analytical Duplicate	393612.16	6097352.00	2.15	16	2.4	790	16	29.9	3	6	1.1	0.34	0.25	10.7	3	1560	25	52	0.3	0.9
BST-101b Analytical Duplicate	393612.16	6097352.00	2.13	8	2.1	760	16	30.4	3	6	0.8	0.33	0.60	12.0	5	1540	25	52	0.3	0.9
BST-102-1 Field Duplicate	392650.41	6096653.00	1.67	71	2.5	1200	33	29.0	4	4	6.4	0.31	0.25	18.1	1	1250	25	330	0.4	0.7
BST-102-2 Field Duplicate	392650.41	6096653.00	1.74	13	1.6	1100	22	29.1	3	7	6.9	0.31	0.60	15.1	1	1460	25	240	0.3	0.7
BST-118a Analytical Duplicate	391438.41	6097052.00	1.97	9	3.3	410	38	21.5	6	10	1.8	0.56	0.25	14.4	3	1810	25	62	0.5	1.6
BST-118b Analytical Duplicate	391438.41	6097052.00	1.96	13	3.5	380	38	22.8	5	11	1.6	0.51	0.25	15.3	3	1760	25	65	0.4	1.5
BST-130-1 Field Duplicate	392870.50	6104868.50	1.79	9	2.4	270	37	22.4	4	6	2.1	0.35	0.25	23.2	1	2090	25	120	0.6	1.0
BST-130-2 Field Duplicate	392870.50	6104868.50	1.85	6	2.8	490	38	23.8	5	10	2.2	0.56	1.30	15.5	1	3520	110	67	0.3	1.6
BST-133a Analytical Duplicate	395632.94	6104304.50	2.21	5	2.1	660	20	25.6	4	6	3.0	0.21	0.25	25.3	1	1610	25	180	0.2	0.4
BST-133b Analytical Duplicate	395632.94	6104304.50		3	0.3	660	20	24.1	4	1	2.9	0.18	0.25	24.7	1	1570	25	180	0.2	0.4

Sample ID	UTM		Ash	Au	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	K	Mo	Na	Ni	Rb	Sb	Sc
	Easting	Northing	%	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
BST-137-1 Field Duplicate	398893.06	6102443.50	2.02	3	1.5	860	25	29.1	3	6	1.9	0.27	0.25	15.5	1	1270	25	190	0.3	0.8
BST-137-2 Field Duplicate	398893.06	6102443.50	1.86	3	2.8	1100	46	26.2	4	11	1.8	0.46	0.25	19.0	1	1710	25	190	0.4	1.3
BST-143a Analytical. Duplicate	398945.84	6104816.50	1.71	8	1.8	490	20	20.4	5	6	5.7	0.23	0.25	17.1	1	1520	65	340	0.4	0.5
BST-143b Analytical. Duplicate	398945.84	6104816.50	1.71	6	1.4	580	24	21.2	6	6	7.3	0.24	0.25	17.9	1	1580	25	340	0.5	0.6
BST-149-1 Field Duplicate	402139.66	6105434.00	1.92	3	1.4	750	30	22.6	4	4	7.8	0.20	0.25	20.1	1	920	25	470	0.3	0.4
BST-149-2 Field Duplicate	402139.66	6105434.00	1.73	20	0.9	580	39	19.9	4	2	19.0	0.19	0.25	23.2	1	972	25	660	0.4	0.4
BST-162a Analytical Duplicate	408825.19	6111203.00	2.04	6	1.2	860	30	22.5	2	7	6.2	0.21	0.25	24.3	3	1330	25	410	0.3	0.5
BST-162b Analytical Duplicate	408825.19	6111203.00	2.06	3	0.8	840	20	19.6	2	5	7.1	0.20	0.25	23.4	1	1280	25	440	0.2	0.5
BST-171-1 Field Duplicate	400308.25	6102973.00	2.11	3	0.8	540	46	19.1	3	1	3.0	0.16	0.25	28.0	1	826	72	330	0.2	0.3
BST-171-2 Field Duplicate	400308.25	6102973.00	1.58	17	2.0	660	33	22.6	4	4	6.9	0.28	0.25	22.1	5	1770	25	370	0.4	0.6
BST-179-1 Field Duplicate	382763.03	6098971.50	1.73	16	1.3	1000	27	27.6	3	6	2.0	0.23	0.70	24.7	2	1340	25	280	0.3	0.6
BST-179-2 Field Duplicate	382763.03	6098971.50	1.93	11	1.9	1100	45	23.2	3	7	3.4	0.32	0.60	25.1	1	1520	25	270	0.3	0.8
BST-203a Analytical Duplicate	377759.09	6103205.50	1.73	14	1.6	1300	20	31.2	3	6	1.3	0.30	0.25	15.9	1	1310	25	170	0.3	0.7
BST-203b Analytical Duplicate	377759.09	6103205.50	1.59	15	1.3	1300	22	30.6	4	7	1.5	0.27	0.25	17.1	1	1290	25	180	0.4	0.7
BST-215-1 Field Duplicate	377864.75	6104760.00	1.54	3	1.6	1200	30	26.8	4	6	1.9	0.23	0.50	14.9	1	1150	25	110	0.2	0.6
BST-215-2 Field Duplicate	377864.75	6104760.00	1.20	3	1.6	1200	34	27.3	4	3	1.6	0.21	0.25	16.4	1	1060	65	130	0.3	0.5
BST-218-1 Field Duplicate	389764.00	6111144.00	1.70	12	1.3	620	17	30.4	4	3	7.9	0.22	0.25	14.3	1	1300	25	260	0.4	0.6
BST-218-2 Field Duplicate	389764.00	6111144.00	1.22	13	1.9	750	39	25.3	5	7	6.2	0.38	0.25	19.3	1	1820	25	210	0.3	0.9
BST-228a Analytical. Duplicate	386397.94	6109043.50	1.93	12	2.2	1200	25	25.8	3	7	3.5	0.40	1.10	12.3	1	1680	25	190	0.5	1.0
BST-228b Analytical. Duplicate	386397.94	6109043.50		13	2.3	1300	25	24.6	4	7	4.0	0.37	0.70	14.1	1	1780	86	190	0.5	1.0
BST-231-1 Field Duplicate	382258.53	6113338.50	1.75	8	1.8	1200	21	27.6	4	5	2.1	0.31	0.25	13.3	1	1580	25	130	0.3	0.8
BST-231-2 Field Duplicate	382258.53	6113338.50	1.86	3	2.5	1400	31	23.9	4	12	1.7	0.39	0.25	17.0	1	1640	25	130	0.5	1.1
BST-236a Analytical Duplicate	381154.03	6111993.00	2.00	3	2.1	550	20	31.9	4	7	3.7	0.37	0.25	13.4	1	1320	25	130	0.3	1.0
BST-236b Analytical Duplicate	381154.03	6111993.00	2.06	3	2.9	560	20	32.1	3	6	4.0	0.34	0.25	13.1	1	1200	25	150	0.3	0.9
BST-246a Analytical Duplicate	389829.19	6119804.50	2.21	5	1.6	1000	19	27.1	3	7	1.6	0.25	0.25	16.6	1	1080	25	190	0.5	0.8
BST-246b Analytical Duplicate	389829.19	6119804.50	2.11	3	2.0	1100	20	28.5	2	5	1.4	0.28	0.25	18.8	2	1160	25	170	0.5	0.8
BST-250-1 Field Duplicate	392449.16	6112208.50	1.67	22	1.8	1300	16	28.4	4	6	2.0	0.28	0.25	16.1	3	1440	25	200	0.4	0.8
BST-250-2 Field Duplicate	392449.16	6112208.50	1.92	13	1.2	790	20	24.7	2	3	4.6	0.25	0.25	14.7	1	1320	25	250	0.3	0.6
BST-262a Analytical Duplicate	382201.84	6113313.00	1.97	6	2.5	1400	15	26.2	3	9	2.1	0.53	0.90	12.7	1	2620	25	110	0.5	1.5
BST-262b Analytical Duplicate	382201.84	6113313.00	1.98	14	1.7	1400	14	26.9	4	10	2.5	0.46	1.00	10.6	1	2400	25	100	0.4	1.3
BST-265-1 Field Duplicate	379871.44	6116760.00	1.63	6	1.6	440	22	21.3	3	5	2.6	0.22	0.25	21.1	1	1100	160	250	0.2	0.5
BST-265-2 Field Duplicate	379871.44	6116760.00	1.39	3	2.3	870	22	23.2	3	5	2.2	0.32	0.50	13.8	1	1680	25	150	0.3	0.7
BST-278a Analytical Duplicate	375920.22	6119958.50	1.88	22	2.1	1100	14	26.8	5	4	3.3	0.24	0.25	19.9	1	1510	25	370	0.3	0.6
BST-278b Analytical Duplicate	375920.22	6119958.50	1.91	31	2.0	1100	14	27.2	4	4	3.2	0.26	0.25	18.8	1	1560	25	400	0.4	0.5
BST-281-1 Field Duplicate	375405.56	6111977.50	2.12	11	1.0	1300	22	32.7	3	5	2.5	0.26	0.25	13.2	1	1080	25	190	0.3	0.6
BST-281-2 Field Duplicate	375405.56	6111977.50	1.81	12	1.7	740	31	29.1	4	9	2.1	0.40	0.90	18.1	1	1540	25	220	0.7	1.0

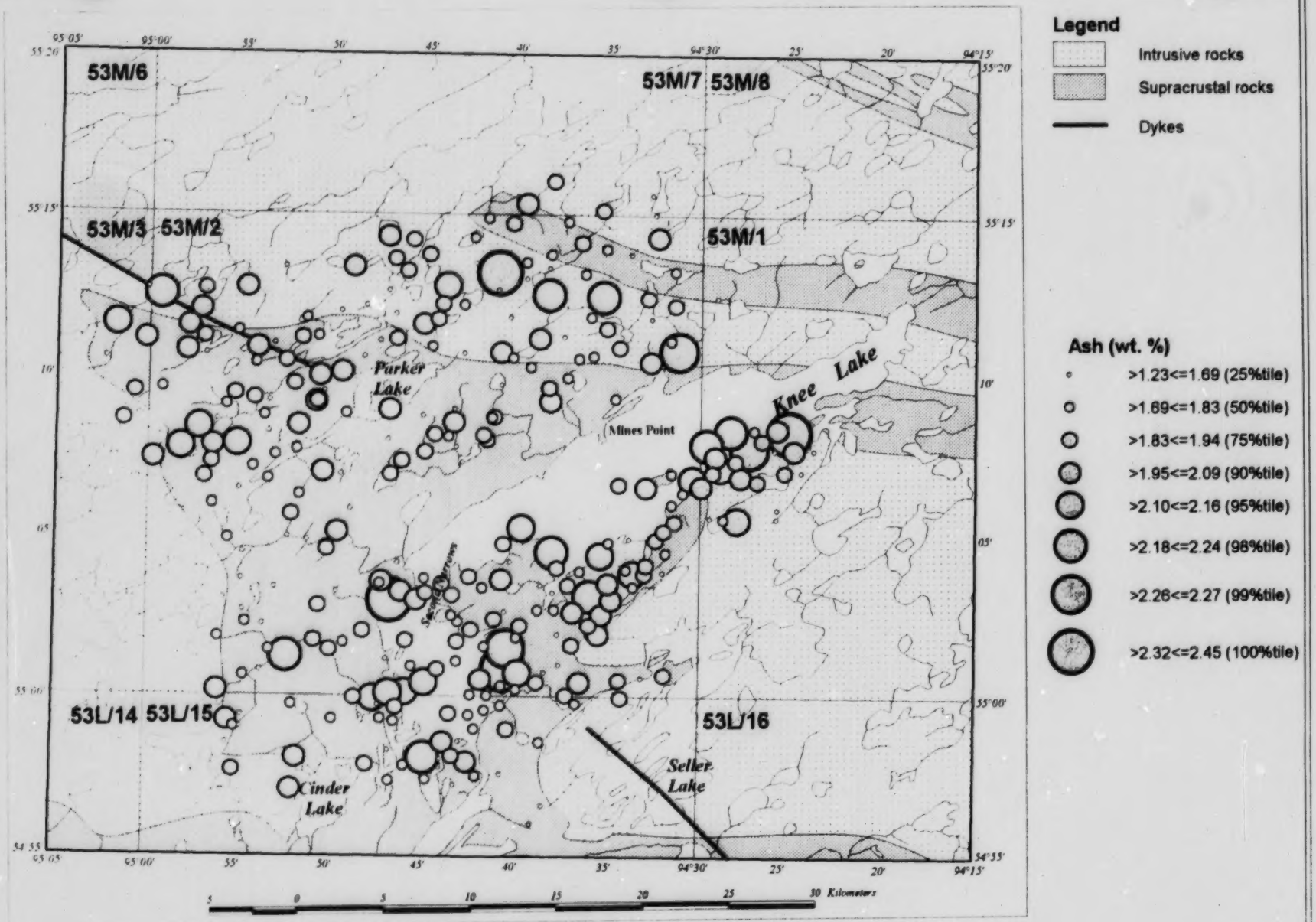
Sample ID	UTM		Ash	Au	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	K	Mo	Na	Ni	Rb	Sb	Sc
	Easting	Northing	%	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
BST-296a Analytical Duplicate	388906.22	6116341.50	1.81	10	2.2	790	30	26.4	4	10	3.4	0.52	0.25	17.6	1	2780	25	140	0.4	1.4
BST-296b Analytical Duplicate	388906.22	6116341.50	1.83	9	2.3	780	26	24.8	4	8	3.1	0.49	0.60	17.0	1	2370	25	120	0.4	1.4
BST-310-1 Field Duplicate	386862.44	6121457.50	1.77	9	2.7	530	35	22.5	4	11	0.9	0.51	0.25	20.0	1	2090	25	120	0.4	1.4
BST-310-2 Field Duplicate	386862.44	6121457.50	1.94	3	2.3	620	28	24.4	4	5	2.0	0.27	0.60	21.5	4	1190	25	200	0.2	0.7
BST-311a Analytical Duplicate	398860.28	6124033.50	1.81	3	1.7	890	32	23.1	3	4	3.1	0.30	0.25	23.0	1	1630	25	410	0.3	0.8
BST-311b Analytical Duplicate	398860.28	6124033.50	1.87	3	2.0	830	27	23.7	3	5	3.2	0.24	0.25	22.3	1	1520	25	400	0.3	0.6
BST-329-1 Field Duplicate	399739.69	6116073.00	1.68	6	1.9	860	32	26.8	4	9	4.2	0.38	0.60	20.0	1	1700	25	200	0.4	1.0
BST-329-2 Field Duplicate	399739.69	6116073.00	1.94	3	1.4	1200	21	30.5	4	6	3.3	0.33	0.60	20.3	1	1620	25	210	0.3	0.8
BST-332a Analytical Duplicate	388402.53	6110279.50	1.81	13	0.9	840	35	23.7	6	1	15.0	0.21	0.50	22.2	1	1960	25	400	0.3	0.7
BST-332b Analytical Duplicate	388402.53	6110279.50	1.87	12	1.1	800	37	23.4	6	1	16.0	0.26	0.60	22.6	1	1970	25	430	0.3	0.8
BST-343a Analytical Duplicate	374800.81	6116438.50	1.96	12	0.8	320	29	24.1	3	6	2.1	0.24	0.25	27.1	1	979	25	260	0.2	0.6
BST-343b Analytical Duplicate	374800.81	6116438.50	2.00	12	0.6	360	30	24.4	3	6	2.2	0.22	0.25	26.2	1	963	25	260	0.2	0.6
BST-345-1 Field Duplicate	373345.66	6119686.50	1.80	7	1.7	360	47	28.1	5	6	5.0	0.21	0.25	19.4	3	873	25	290	0.3	0.6
BST-345-2 Field Duplicate	373345.66	6119686.50	2.24	6	1.3	710	21	27.2	3	5	2.8	0.16	0.25	24.4	1	627	25	330	0.2	0.3
BST-356a Analytical Duplicate	378960.09	6100575.00	1.64	3	1.6	800	34	20.6	3	1	1.9	0.35	0.25	22.6	4	1440	67	230	0.3	0.9
BST-356b Analytical Duplicate	378960.09	6100575.00	1.70	5	0.3	850	39	20.8	2	6	2.1	0.33	0.25	24.9	6	1360	25	270	0.3	0.9

Sample ID	Sr ppm	Th ppm	U ppm	Zn ppm	La ppm	Ce ppm	Nd ppm	Sm ppm	Eu ppm	Yb ppm	Lu ppm	TREE PPM
BST-8a Analytical Duplicate	150	0.4	0.05	1900	1.5	3	2.5	0.3	0.01	0.17	0.025	7.5
BST-8b Analytical Duplicate	150	0.3	0.05	1900	1.4	4	2.5	0.2	0.01	0.19	0.025	8.3
BST-16-1 Field Duplicate	950	0.3	0.05	1500	2.0	5	2.5	0.4	0.01	0.13	0.025	10.1
BST-16-2 Field Duplicate	620	0.5	0.20	1300	2.3	6	2.5	0.5	0.01	0.18	0.025	11.5
BST-30a Analytical Duplicate	150	0.1	0.05	2700	3.6	8	2.5	0.6	0.01	0.24	0.025	15.0
BST-30b Analytical Duplicate	150	0.3	0.05	2600	3.6	6	2.5	0.6	0.01	0.29	0.025	13.0
BST-35-1 Field Duplicate	550	0.7	0.40	2100	3.3	5	2.5	0.6	0.01	0.18	0.025	11.6
BST-35-2 Field Duplicate	920	0.5	0.20	1600	3.0	6	2.5	0.5	0.01	0.19	0.025	12.2
BST-50-1 Field Duplicate	150	0.4	0.05	2400	3.0	7	2.5	0.6	0.17	0.21	0.025	13.5
BST-50-2 Field Duplicate	500	0.5	0.05	2400	3.1	7	2.5	0.6	0.01	0.27	0.025	13.5
BST-53-1 Field Duplicate	340	0.4	0.05	2100	2.2	5	2.5	0.5	0.01	0.18	0.025	10.4
BST-53-2 Field Duplicate	150	0.6	0.05	1400	4.1	10	2.5	0.8	0.23	0.40	0.060	18.1
BST-64a Analytical Duplicate	440	0.4	0.05	2100	1.8	6	2.5	0.4	0.01	0.27	0.025	11.0
BST-64b Analytical Duplicate	150	0.5	0.05	2000	2.1	5	2.5	0.3	0.01	0.23	0.025	10.2
BST-69-1 Field Duplicate	150	0.5	0.05	2000	3.2	7	2.5	0.5	0.01	0.26	0.025	13.5
BST-69-2 Field Duplicate	640	0.9	0.05	2300	3.1	8	2.5	0.5	0.01	0.25	0.025	14.4
BST-76-1 Field Duplicate	150	0.8	0.20	3200	3.0	6	2.5	0.5	0.01	0.32	0.050	12.4
BST-76-2 Field Duplicate	820	1.0	0.05	2100	4.1	9	2.5	0.7	0.01	0.45	0.060	16.8
BST-77a Analytical. Duplicate	600	0.6	0.40	2200	3.4	8	2.5	0.5	0.01	0.29	0.050	14.8
BST-77b Analytical Duplicate	610	0.9	0.40	2300	3.2	8	2.5	0.5	0.01	0.25	0.025	14.5
BST-94a Analytical Duplicate	150	0.2	0.05	2300	2.5	5	2.5	0.4	0.01	0.24	0.025	10.7
BST-94b Analytical Duplicate	150	0.3	0.05	2000	2.3	7	2.5	0.3	0.01	0.24	0.025	12.4
BST-101a Analytical. Duplicate	1000	0.8	0.05	2800	3.3	8	2.5	0.6	0.01	0.31	0.050	14.8
BST-101b Analytical. Duplicate	710	0.8	0.05	3000	3.3	6	2.5	0.6	0.01	0.25	0.025	12.7
BST-102-1 Field Duplicate	970	0.7	0.05	2200	2.1	4	2.5	0.4	0.01	0.18	0.025	9.2
BST-102-2 Field Duplicate	150	0.6	0.05	2500	2.6	6	2.5	0.5	0.01	0.24	0.025	11.9
BST-118a Analytical Duplicate	150	1.0	0.05	2200	4.6	8	2.5	0.7	0.22	0.43	0.060	16.5
BST-118b Analytical Duplicate	150	0.9	0.05	2200	4.0	7	2.5	0.7	0.01	0.44	0.070	14.7
BST-130-1 Field Duplicate	150	0.5	0.05	2800	2.8	8	2.5	0.5	0.01	0.27	0.025	14.1
BST-130-2 Field Duplicate	150	0.9	0.05	2900	4.8	8	2.5	0.7	0.01	0.33	0.080	16.4
BST-133a Analytical Duplicate	730	0.1	0.05	1600	1.3	2	2.5	0.2	0.01	0.19	0.025	5.7
BST-133b Analytical Duplicate	780	0.1	0.05	1600	1.3	2	2.5	0.2	0.01	0.18	0.025	5.7

Sample ID	Sr ppm	Th ppm	U ppm	Zn ppm	La ppm	Ce ppm	Nd ppm	Sm ppm	Eu ppm	Yb ppm	Lu ppm	TREE PPM
BST-137-1 Field Duplicate	1300	0.3	0.05	2400	2.4	5	2.5	0.4	-0.03	0.19	0.025	10.5
BST-137-2 Field Duplicate	1200	0.6	0.05	3300	4.3	10	2.5	0.7	-0.03	0.35	0.025	17.8
BST-143a Analytical. Duplicate	150	0.3	0.05	2250	2.0	4	2.5	0.3	0.01	0.13	0.025	9.0
BST-143b Analytical. Duplicate	150	0.3	0.05	2350	2.1	4	2.5	0.3	0.01	0.19	0.025	9.1
BST-149-1 Field Duplicate	150	0.1	0.05	1800	1.3	2	2.5	0.2	0.01	0.03	0.025	5.6
BST-149-2 Field Duplicate	150	0.3	0.05	2500	1.0	2	2.5	0.2	0.01	0.16	0.025	5.4
BST-162a Analytical Duplicate	720	0.3	0.05	1700	1.5	3	2.5	0.2	0.01	0.12	0.025	7.4
BST-162b Analytical Duplicate	890	0.1	0.05	1700	1.5	2	2.5	0.2	0.01	0.03	0.025	5.8
BST-171-1 Field Duplicate	150	0.3	0.20	1900	1.1	2	2.5	0.2	0.17	0.03	0.025	5.5
BST-171-2 Field Duplicate	670	0.1	0.05	2200	1.9	2	2.5	0.3	0.01	0.16	0.025	6.4
BST-179-1 Field Duplicate	1100	0.4	0.30	2700	1.8	2	2.5	0.3	0.20	0.21	0.025	6.5
BST-179-2 Field Duplicate	570	0.5	0.05	2100	3.1	6	2.5	0.4	0.01	0.30	0.050	12.4
BST-203a Analytical Duplicate	150	0.3	0.05	3900	2.1	5	2.5	0.4	0.01	0.17	0.025	10.2
BST-203b Analytical Duplicate	150	0.4	0.05	3900	1.9	3	2.5	0.4	0.01	0.20	0.025	8.0
BST-215-1 Field Duplicate	480	0.1	0.05	2300	1.9	4	2.5	0.3	0.01	0.11	0.025	8.8
BST-215-2 Field Duplicate	410	0.3	0.05	2300	1.6	4	2.5	0.3	0.01	0.03	0.025	8.5
BST-218-1 Field Duplicate	460	0.4	0.05	2600	1.7	4	2.5	0.3	0.01	0.03	0.025	8.6
BST-218-2 Field Duplicate	150	0.7	0.05	3200	2.6	5	2.5	0.4	0.01	0.12	0.025	10.7
BST-228a Analytical. Duplicate	150	0.6	0.05	2400	3.4	7	2.5	0.6	0.01	0.03	0.025	13.6
BST-228b Analytical. Duplicate	150	0.7	0.05	2300	3.5	10	2.5	0.6	0.01	0.21	0.025	16.8
BST-231-1 Field Duplicate	1000	0.6	0.05	4100	3.1	7	2.5	0.4	0.01	0.22	0.025	13.3
BST-231-2 Field Duplicate	1400	0.9	0.05	3400	3.8	7	2.5	0.6	0.01	0.34	0.050	14.3
BST-236a Analytical Duplicate	150	0.8	0.05	2500	2.9	5	2.5	0.5	0.01	0.18	0.025	11.1
BST-236b Analytical Duplicate	150	0.4	0.05	2500	2.8	5	2.5	0.5	0.01	0.19	0.025	11.0
BST-246a Analytical Duplicate	1300	0.5	0.05	2300	2.3	2	2.5	0.3	0.17	0.23	0.025	7.0
BST-246b Analytical Duplicate	1400	0.6	0.05	2500	2.8	7	2.5	0.4	0.19	0.20	0.025	13.1
BST-250-1 Field Duplicate	830	0.5	0.05	3200	2.4	4	2.5	0.4	0.01	0.03	0.025	9.4
BST-250-2 Field Duplicate	550	0.4	0.05	2100	1.6	4	2.5	0.3	0.01	0.09	0.025	8.5
BST-262a Analytical Duplicate	970	1.0	0.05	2400	5.4	11	2.5	0.9	0.28	0.51	0.090	20.7
BST-262b Analytical Duplicate	560	0.9	0.50	2400	4.9	9	2.5	0.8	0.19	0.42	0.070	17.9
BST-265-1 Field Duplicate	150	0.3	0.05	2600	1.7	4	2.5	0.3	0.01	0.25	0.025	8.8
BST-265-2 Field Duplicate	150	0.5	0.05	3800	2.4	2	2.5	0.4	0.01	0.23	0.025	7.1
BST-278a Analytical Duplicate	150	0.4	0.05	1300	1.6	3	2.5	0.3	0.01	0.11	0.025	7.5
BST-278b Analytical Duplicate	390	0.4	0.05	1300	1.7	2	2.5	0.3	0.01	0.13	0.025	6.2
BST-281-1 Field Duplicate	440	0.3	0.05	2500	1.9	5	2.5	0.3	0.01	0.18	0.025	9.9
BST-281-2 Field Duplicate	150	0.9	0.60	3300	3.6	7	2.5	0.5	0.01	0.29	0.050	14.0

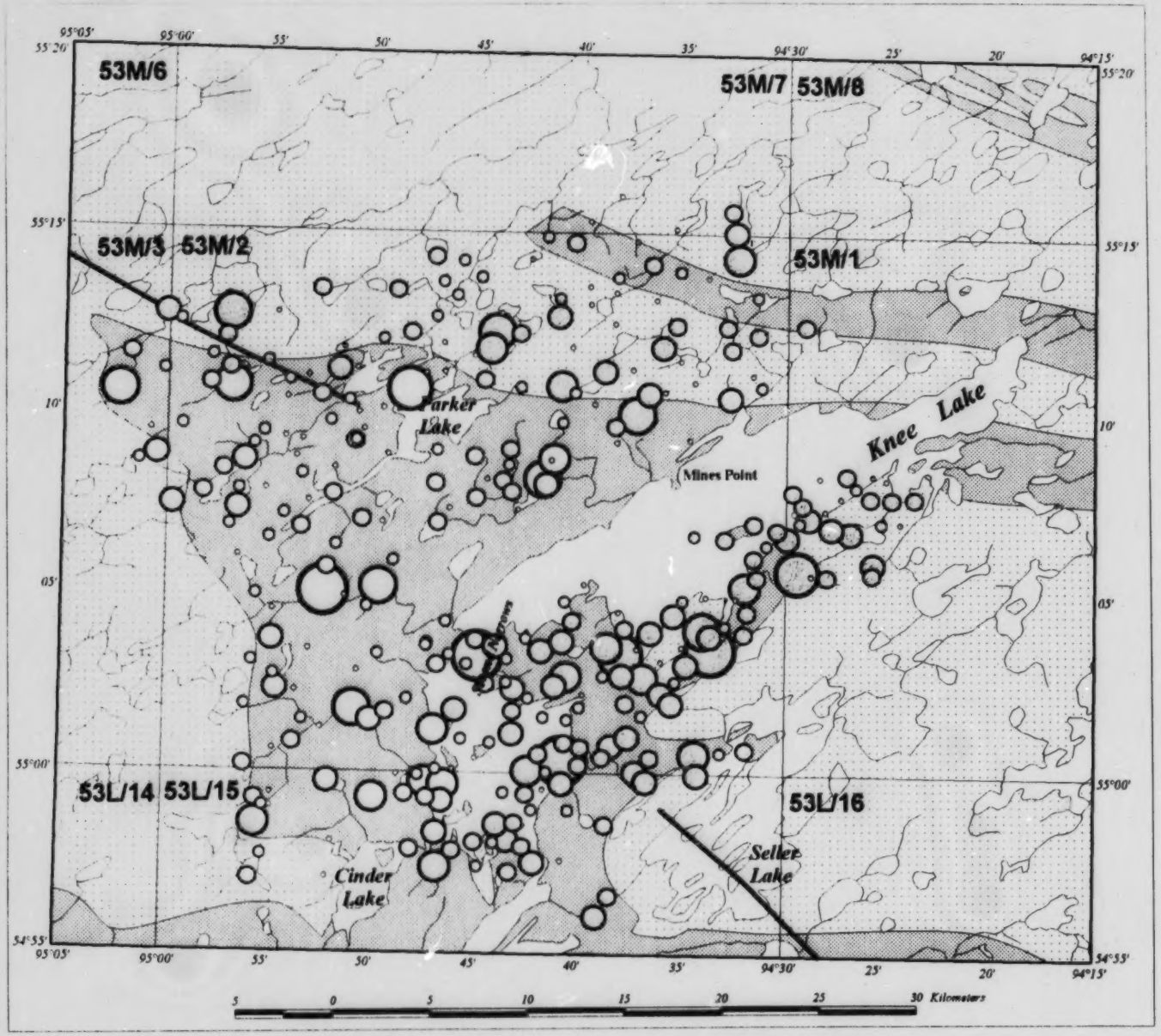
Sample ID	Sr ppm	Th ppm	U ppm	Zn ppm	La ppm	Ce ppm	Nd ppm	Sm ppm	Eu ppm	Yb ppm	Lu ppm	TREE PPM
BST-296a Analytical Duplicate	820	1.0	0.05	3200	4.5	7	2.5	0.6	0.01	0.35	0.050	15.0
BST-296b Analytical Duplicate	570	0.8	0.20	2900	4.2	7	2.5	0.5	0.13	0.23	0.025	14.6
BST-310-1 Field Duplicate	150	0.8	0.05	3000	4.6	8	12.0	0.8	0.01	0.40	0.025	25.8
BST-310-2 Field Duplicate	150	0.4	0.05	1700	2.4	5	2.5	0.4	0.01	0.32	0.025	10.7
BST-311a Analytical Duplicate	500	0.4	0.05	2000	2.6	4	2.5	0.4	0.01	0.30	0.025	9.8
BST-311b Analytical Duplicate	410	0.5	0.05	1900	2.0	5	2.5	0.4	0.01	0.03	0.025	10.0
BST-329-1 Field Duplicate	800	0.4	0.05	3200	2.7	4	2.5	0.4	0.01	0.16	0.025	9.8
BST-329-2 Field Duplicate	820	0.4	0.05	2200	2.3	5	2.5	0.4	0.01	0.31	0.050	10.6
BST-332a Analytical Duplicate	380	0.3	0.05	2000	2.2	6	2.5	0.4	0.01	0.24	0.025	11.4
BST-332b Analytical Duplicate	450	0.3	0.05	2100	2.5	5	2.5	0.4	0.01	0.23	0.025	10.7
BST-343a Analytical Duplicate	150	0.2	0.05	1700	1.7	2	2.5	0.3	0.01	0.16	0.025	6.2
BST-343b Analytical Duplicate	150	0.2	0.05	1700	1.6	2	2.5	0.3	0.01	0.03	0.025	6.0
BST-345-1 Field Duplicate	150	0.3	0.05	2100	1.4	2	2.5	0.3	0.01	0.15	0.025	5.9
BST-345-2 Field Duplicate	150	0.1	0.05	2100	1.0	4	2.5	0.2	0.01	0.03	0.025	7.8
BST-356a Analytical Duplicate	150	0.6	0.05	2300	2.9	5	2.5	0.3	0.01	0.22	0.025	11.0
BST-356b Analytical Duplicate	150	0.3	0.05	2600	2.5	4	2.5	0.4	0.01	0.22	0.025	9.7

INAA Percentile Bubble Plots.



Black Spruce Crown Twigs 318 samples INAA

Appendix V-6-1



Legend

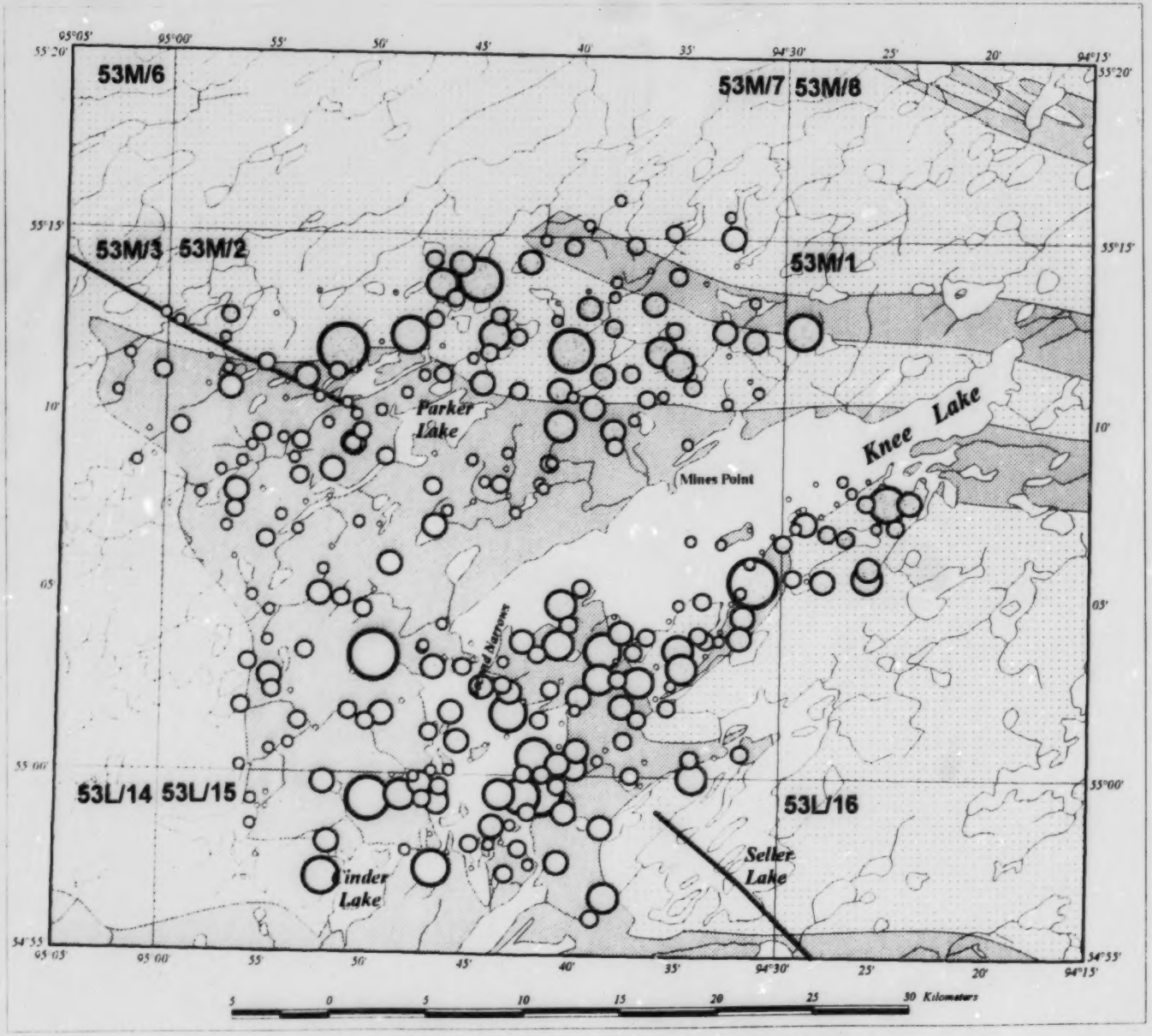
- Intrusive rocks
- Supracrustal rocks
- Dykes

Au (ppb)

- >3<=6 (25%tile)
- >6<=9 (50%tile)
- >9<=13 (75%tile)
- >13<=19 (90%tile)
- >19<=24 (95%tile)
- >24<=28 (98%tile)
- >29<=37 (99%tile)
- >38<=127 (100%tile)

Black Spruce Crown Twigs 318 samples INAA

Appendix V-6-2



Legend

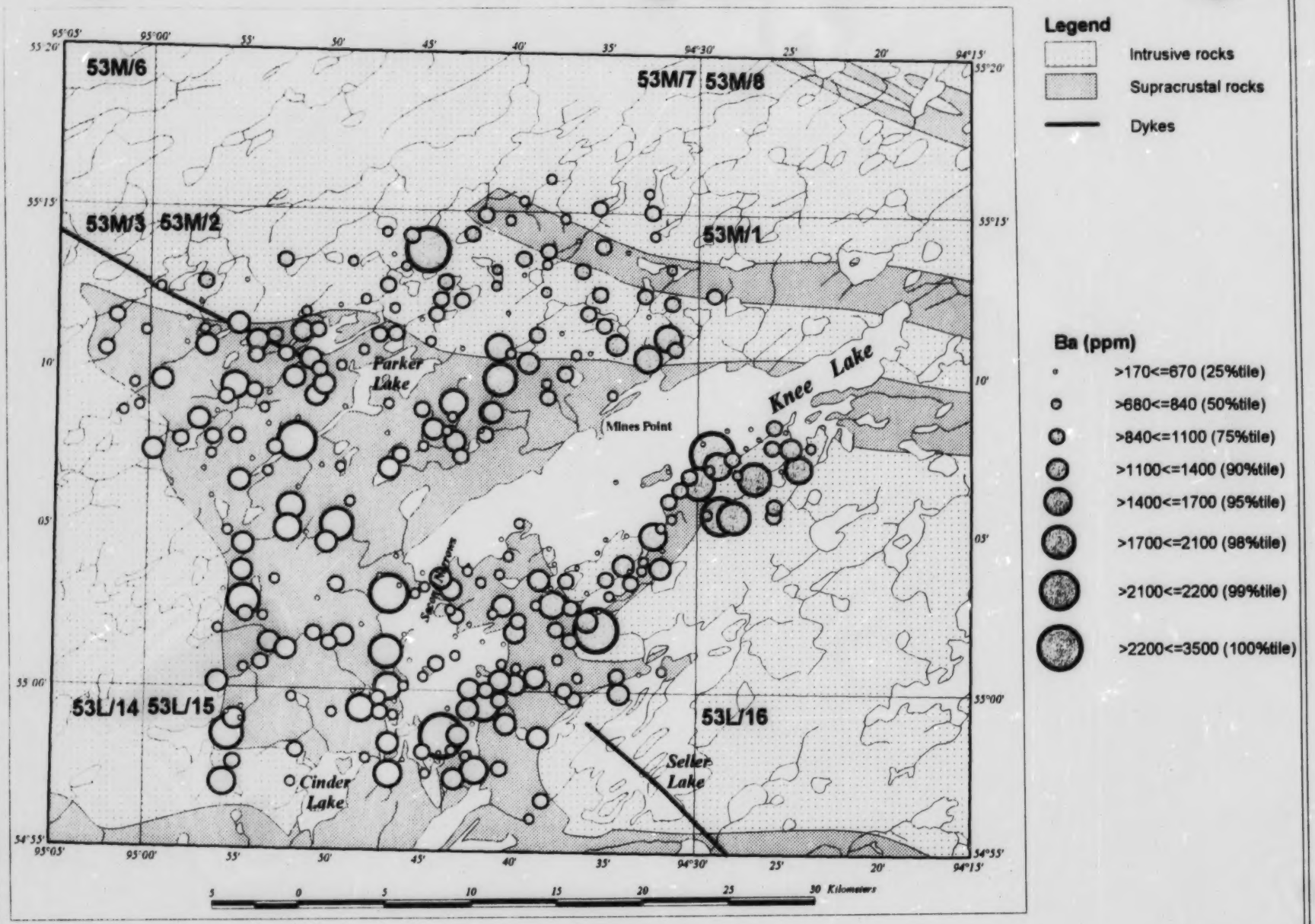
- Intrusive rocks
- Supracrustal rocks
- Dykes

As (ppm)

- >0.3<=1.4 (25%tile)
- >1.4<=1.8 (50%tile)
- >1.8<=2.2 (75%tile)
- >2.2<=2.6 (90%tile)
- >2.6<=2.9 (95%tile)
- >2.9<=3.5 (98%tile)
- >3.5<=4.2 (99%tile)
- >4.2<=4.4 (100%tile)

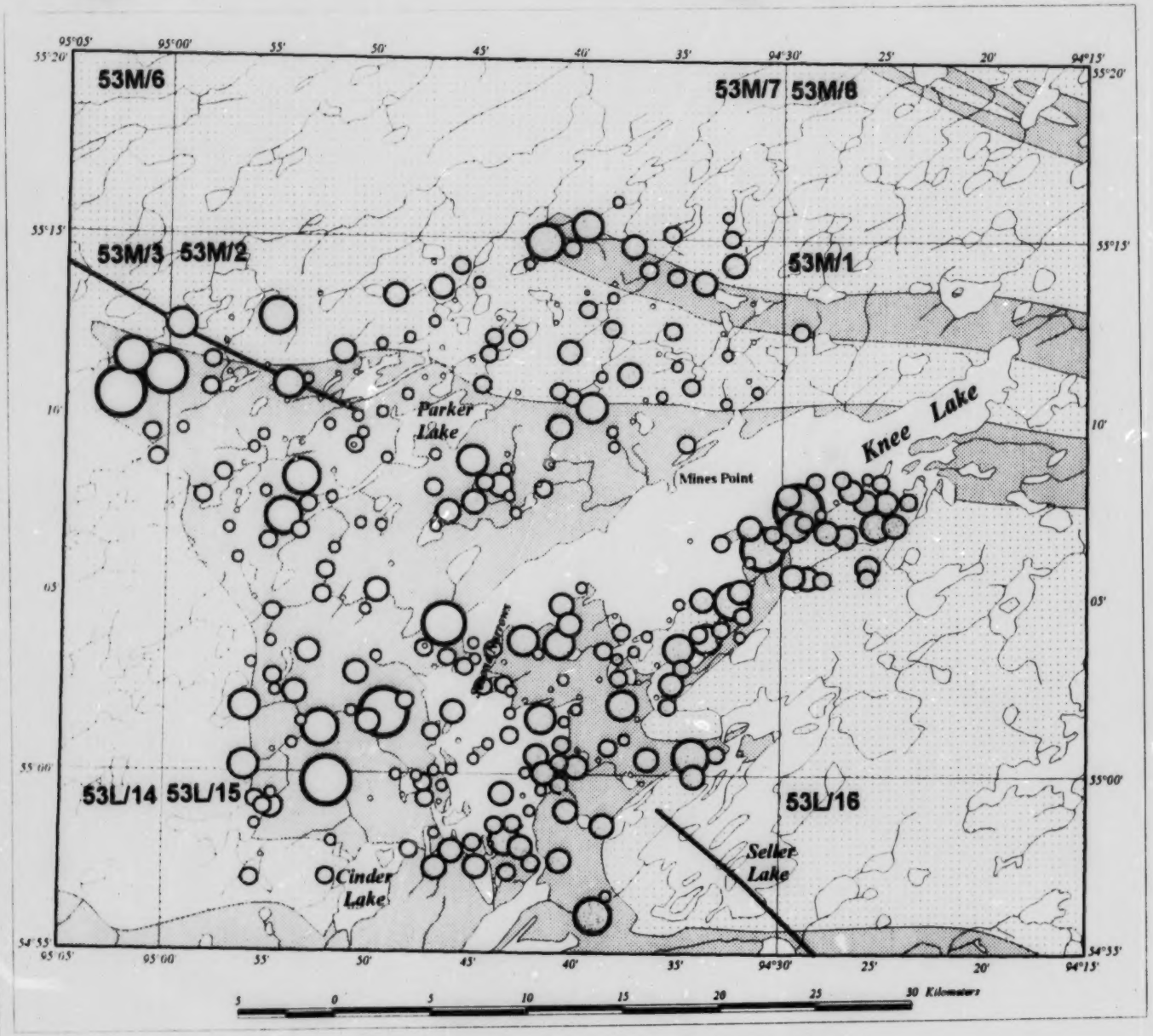
Black Spruce Crown Twigs 318 samples INAA

Appendix V-6-3



Black Spruce Crown Twigs 318 samples INAA

Appendix V-6-4



Legend

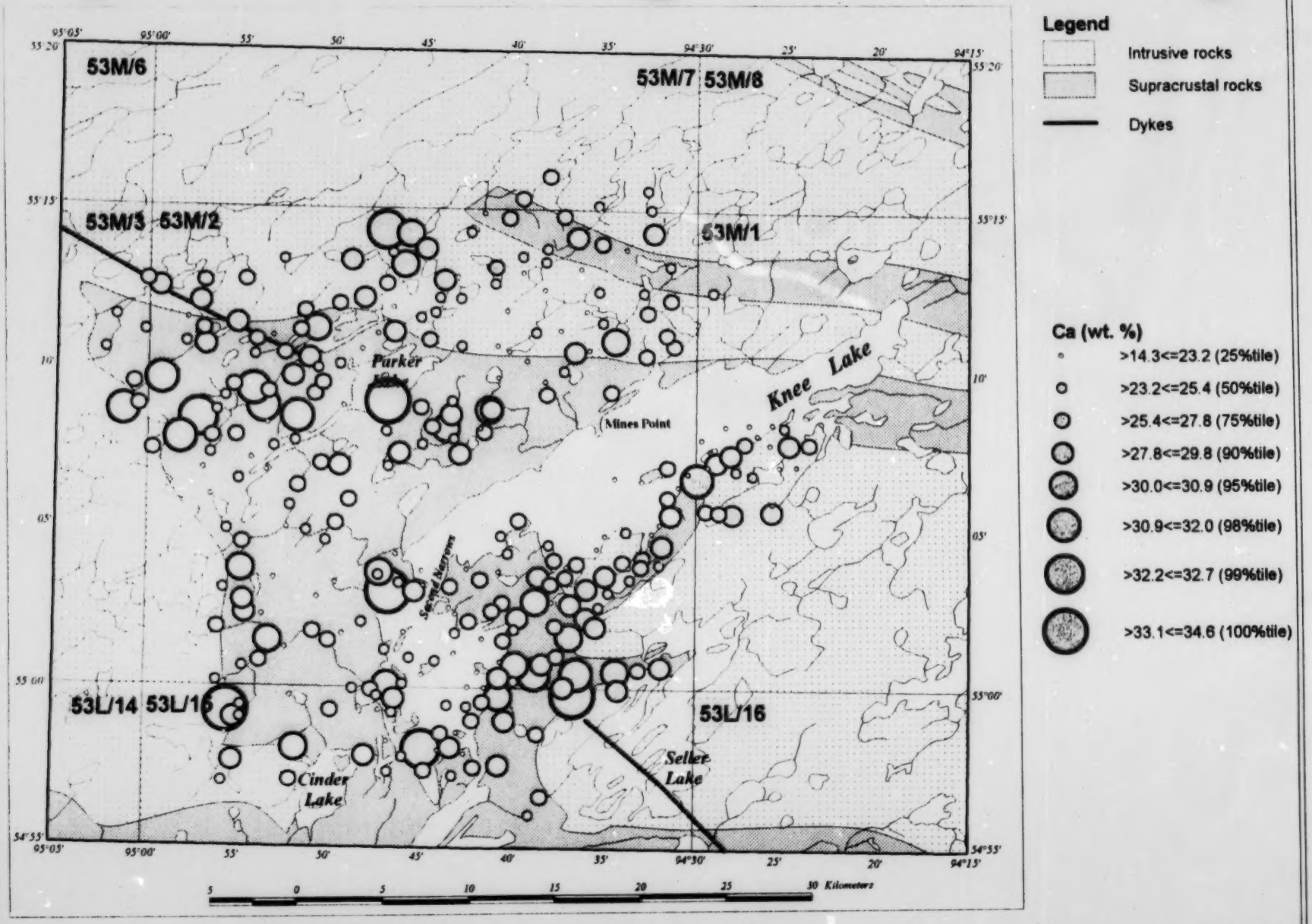
- Intrusive rocks
- Supracrustal rocks
- Dykes

Br (ppm)

- >8<=21 (25%tile)
- >21<=27 (50%tile)
- >27<=35 (75%tile)
- >35<=45 (90%tile)
- >46<=54 (95%tile)
- >55<=71 (98%tile)
- >71<=87 (99%tile)
- >92<=120 (100%tile)

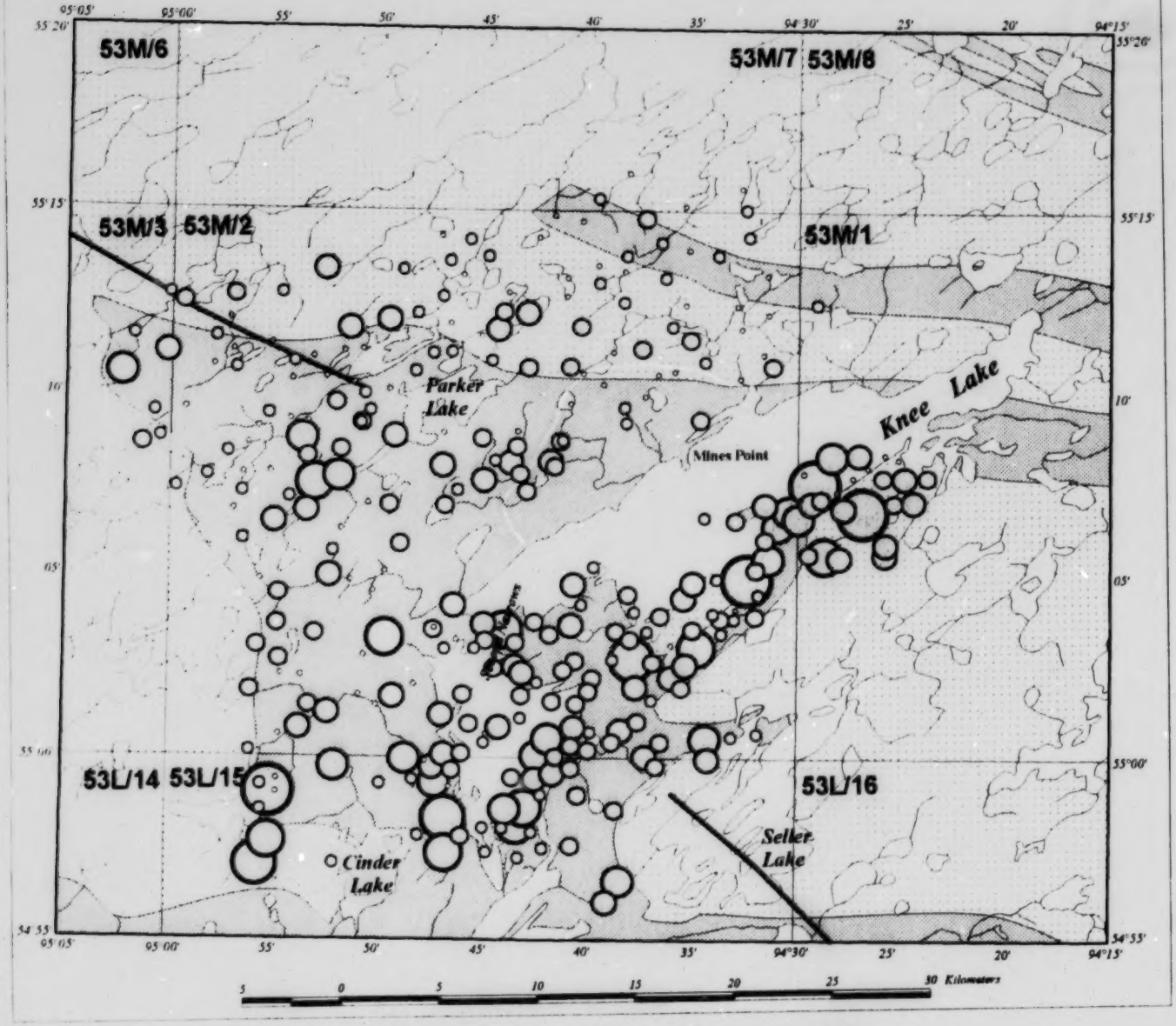
Black Spruce Crown Twigs 318 samples INAA

Appendix V-6-5



Black Spruce Crown Twigs 318 samples INAA

Appendix V-6-6



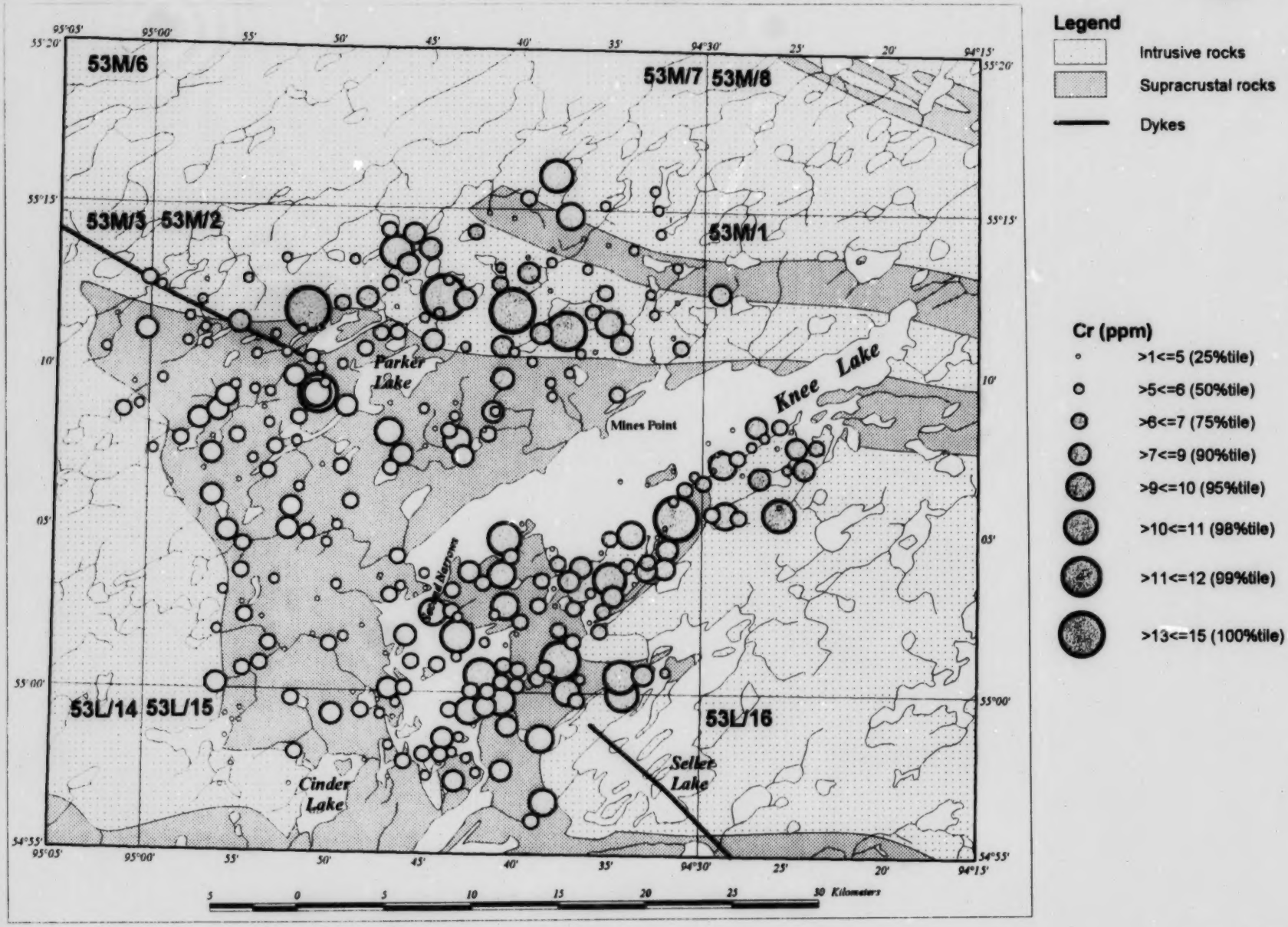
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Co (ppm)

- >2<=3 (25%tile)
- >3<=4 (50%tile)
- >4<=5 (75%tile)
- >5<=6 (90%tile)
- >6<=8 (95%tile)
- >8<=10 (98%tile)
- >10<=12 (99%tile)
- >14<=18 (100%tile)

Black Spruce Crown Twigs 318 samples INAA



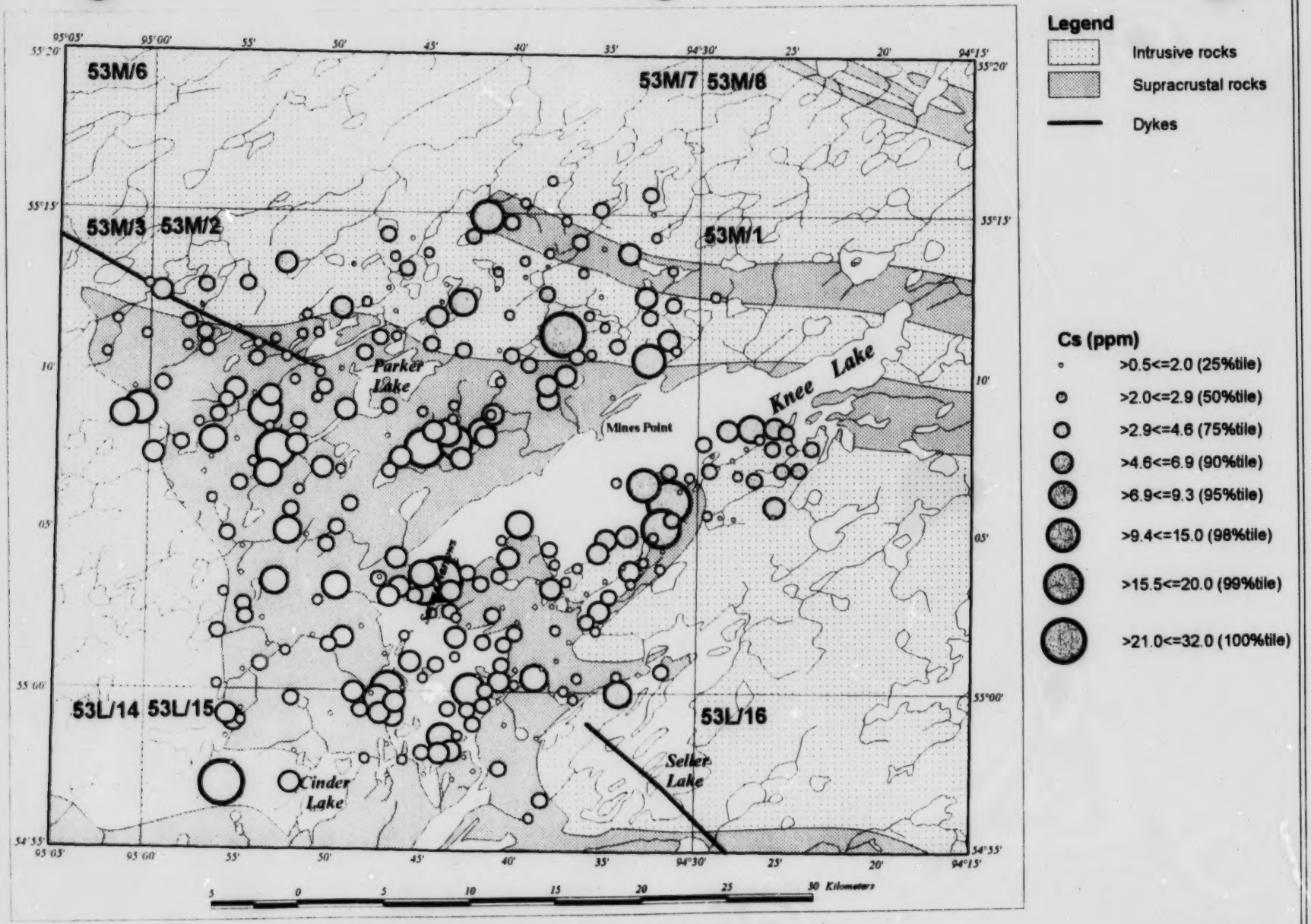
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Cr (ppm)

- >1<=5 (25%tile)
- >5<=6 (50%tile)
- >6<=7 (75%tile)
- >7<=9 (90%tile)
- >9<=10 (95%tile)
- >10<=11 (98%tile)
- >11<=12 (99%tile)
- >13<=15 (100%tile)

Black Spruce Crown Twigs 318 samples INAA



Legend

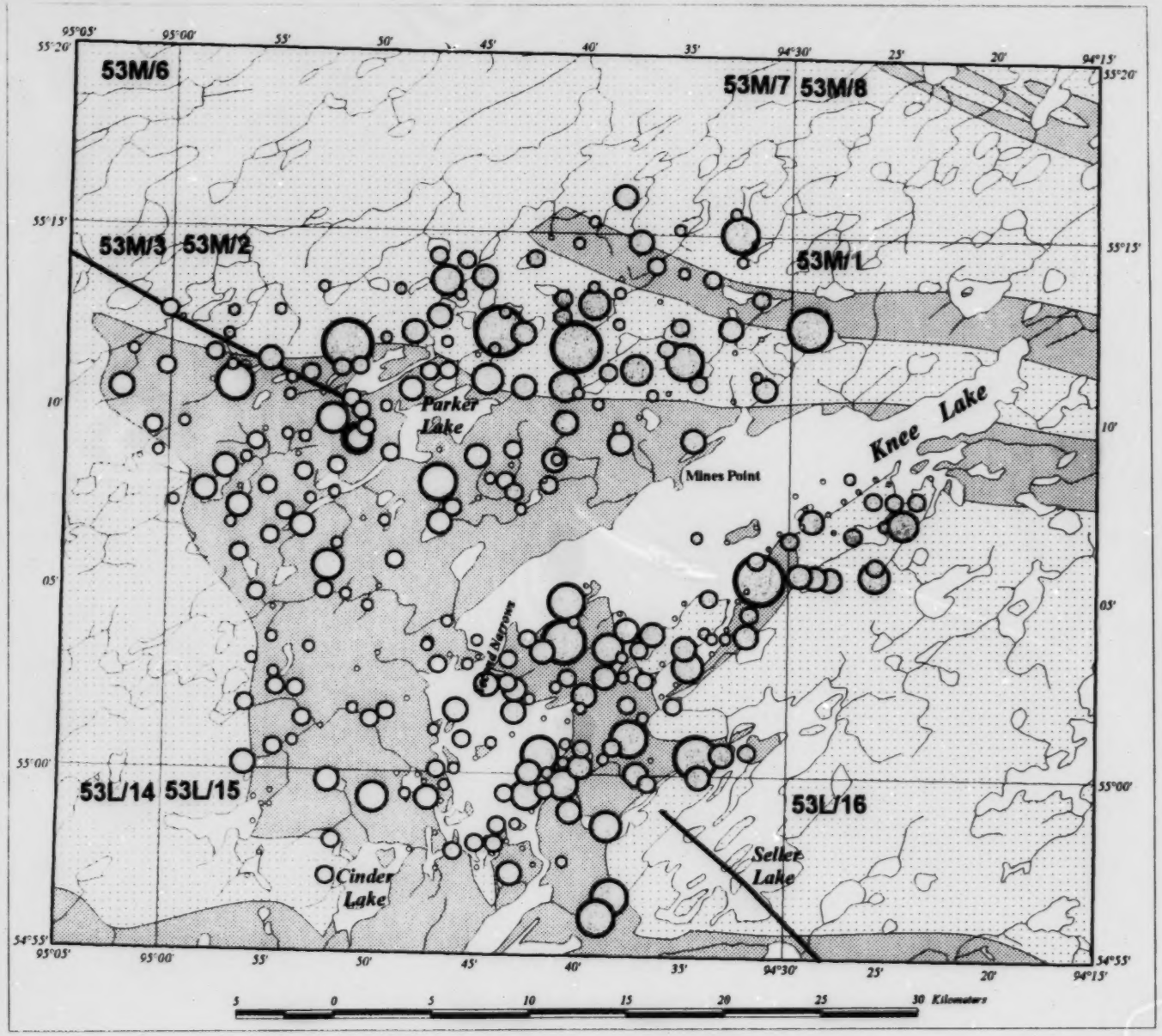
- Intrusive rocks
- Supracrustal rocks
- Dykes

Cs (ppm)

- >0.5<=2.0 (25%tile)
- >2.0<=2.9 (50%tile)
- >2.9<=4.6 (75%tile)
- >4.6<=6.9 (90%tile)
- >6.9<=9.3 (95%tile)
- >9.4<=15.0 (98%tile)
- >15.5<=20.0 (99%tile)
- >21.0<=32.0 (100%tile)

Black Spruce Crown Twigs 318 samples INAA

Appendix V-6-9



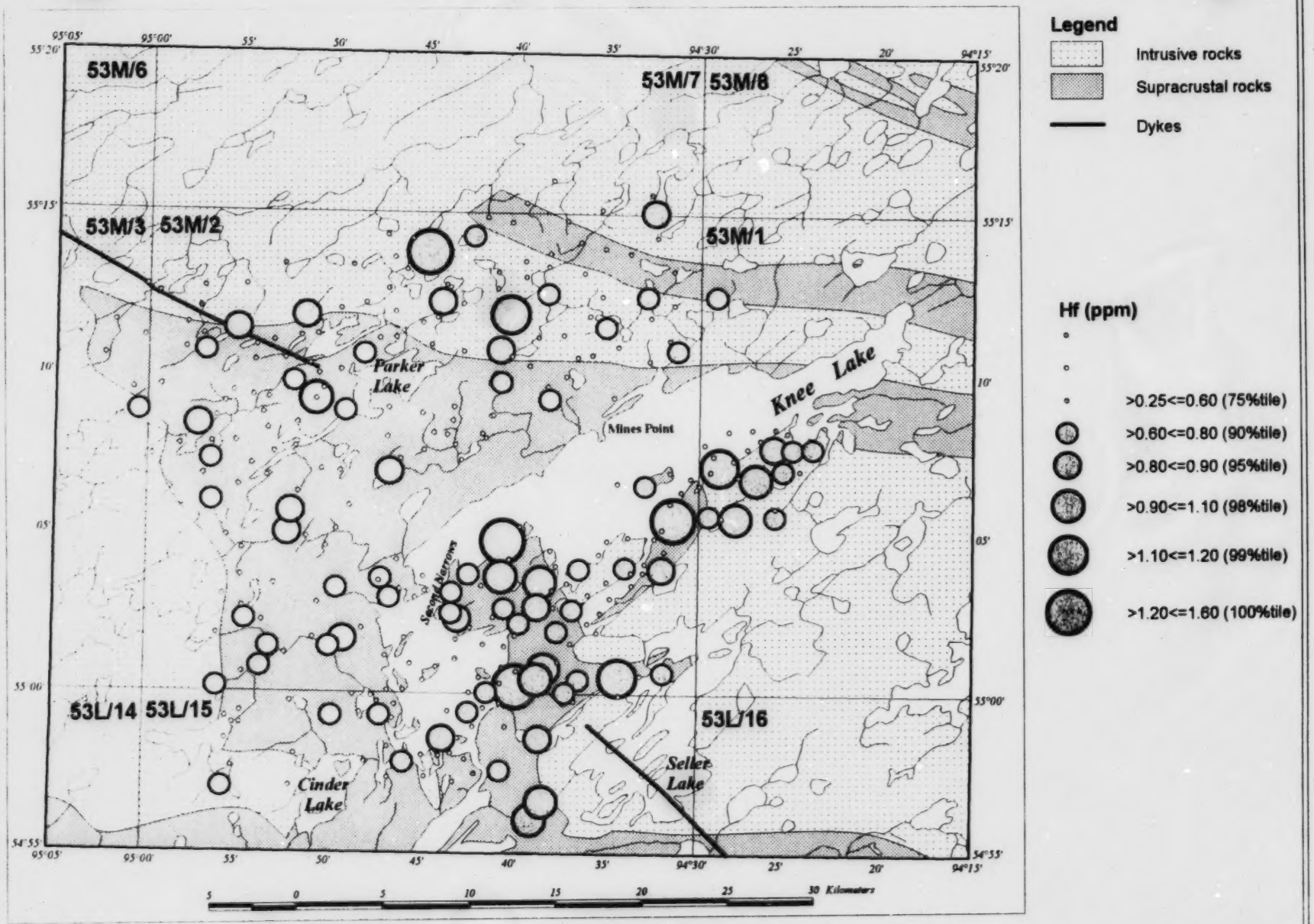
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Fe (wt. %)

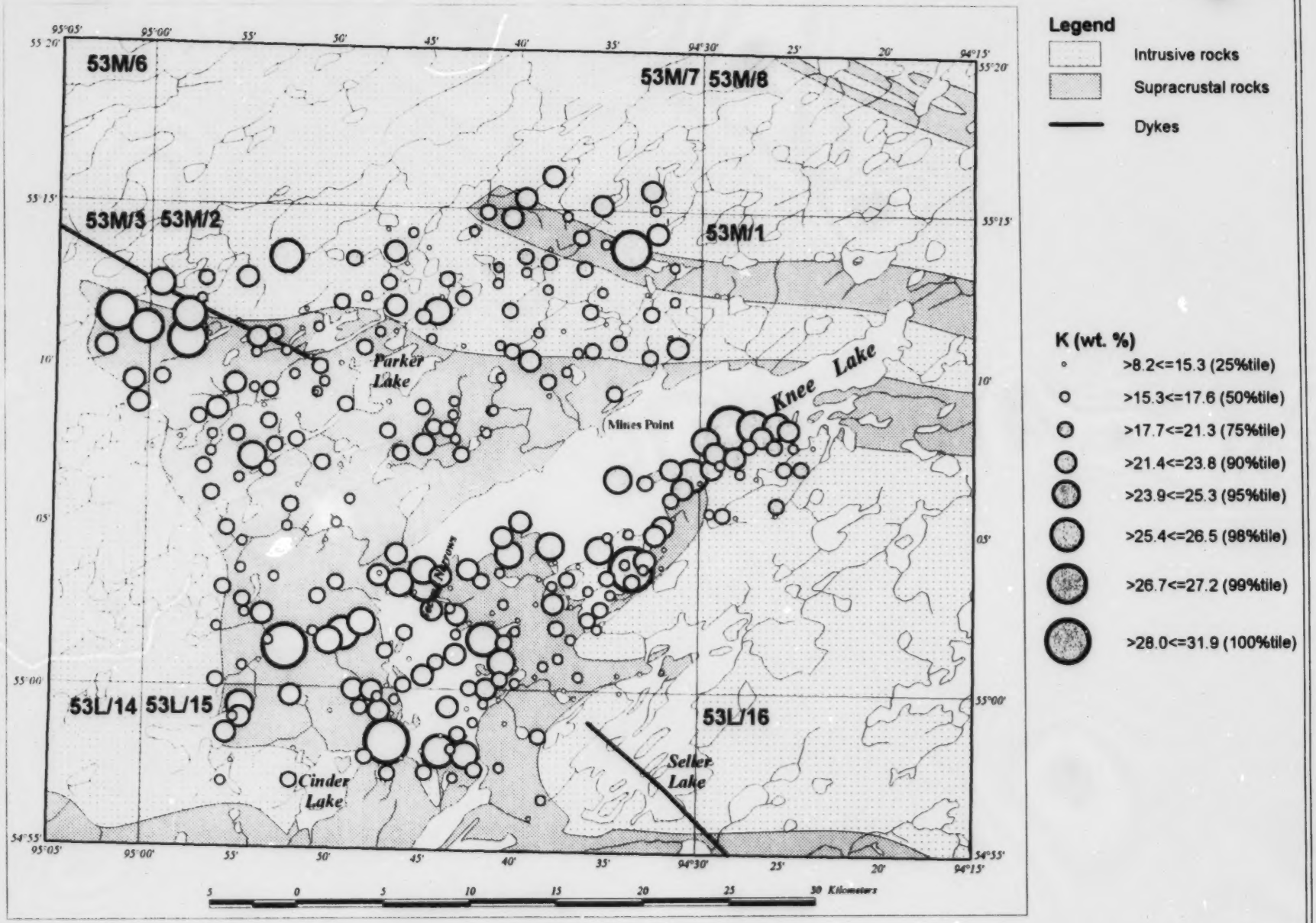
- >0.13<=0.25 (25%tile)
- >0.25<=0.31 (50%tile)
- >0.31<=0.38 (75%tile)
- >0.38<=0.47 (90%tile)
- >0.47<=0.53 (95%tile)
- >0.54<=0.58 (98%tile)
- >0.59<=0.60 (99%tile)
- >0.71<=0.84 (100%tile)

Black Spruce Crown Twigs 318 samples INAA



Black Spruce Crown Twigs 318 samples INAA

Appendix V-6-11



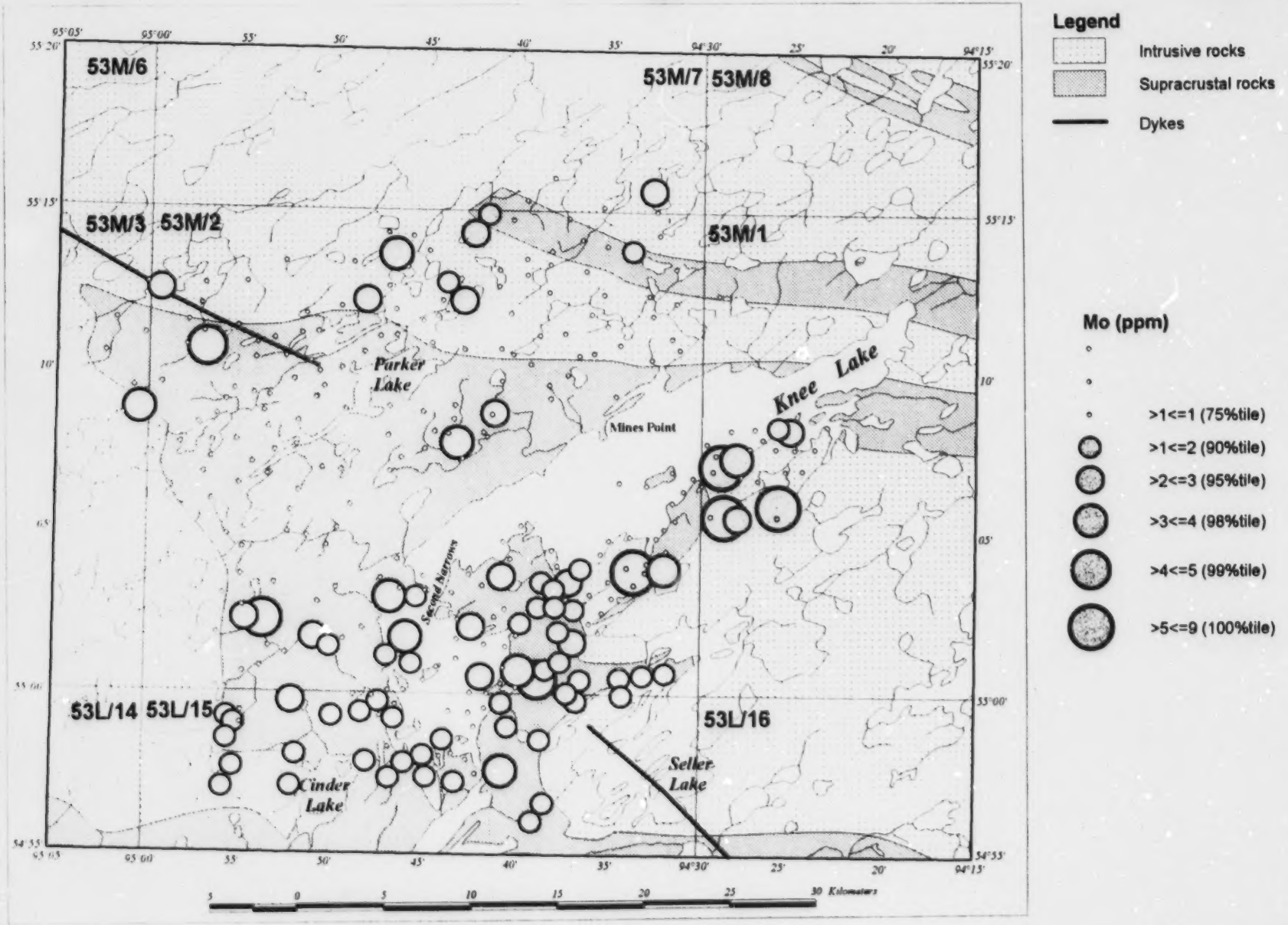
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

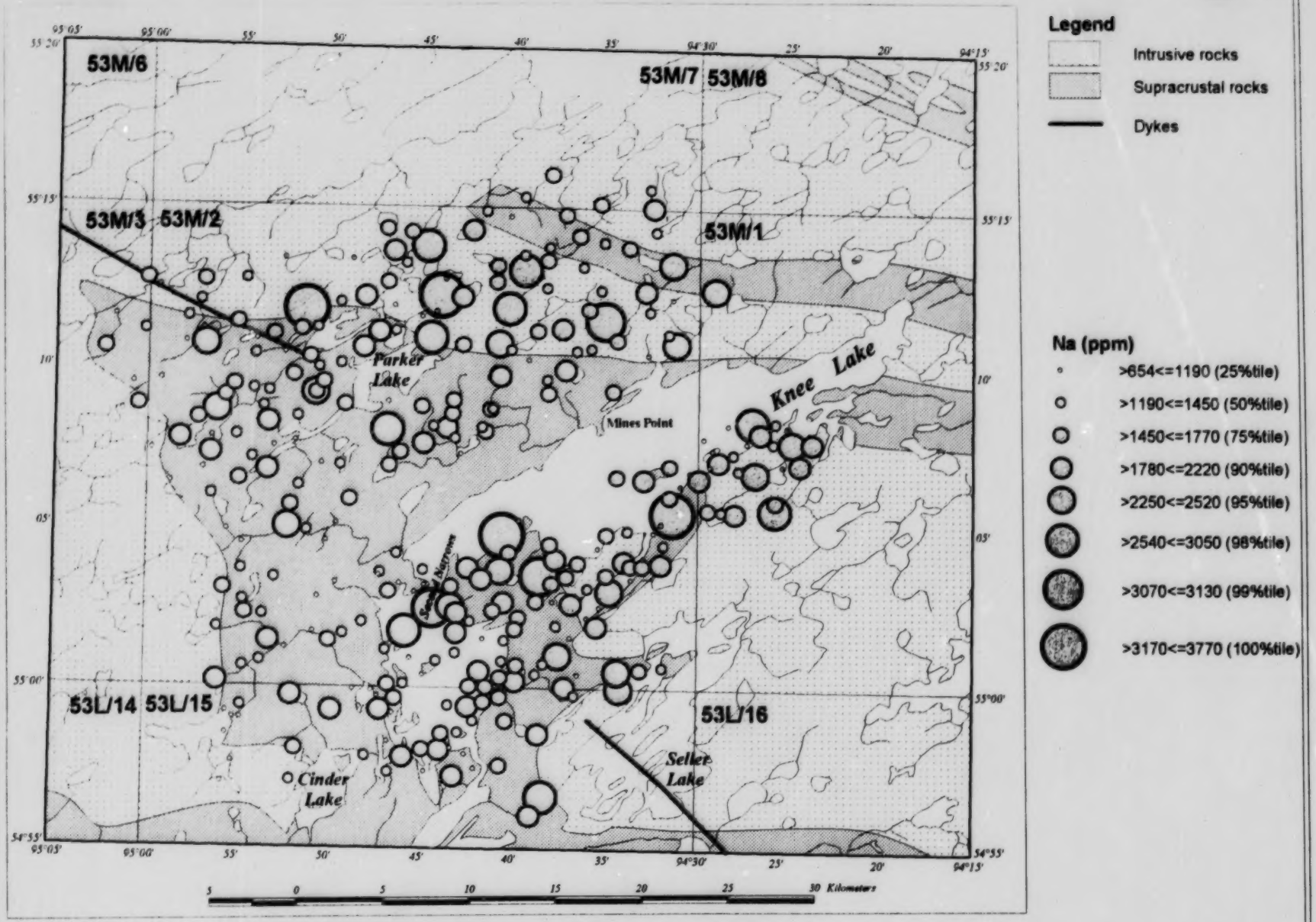
K (wt. %)

- >8.2<=15.3 (25%tile)
- >15.3<=17.6 (50%tile)
- >17.7<=21.3 (75%tile)
- >21.4<=23.8 (90%tile)
- >23.9<=25.3 (95%tile)
- >25.4<=26.5 (98%tile)
- >26.7<=27.2 (99%tile)
- >28.0<=31.9 (100%tile)

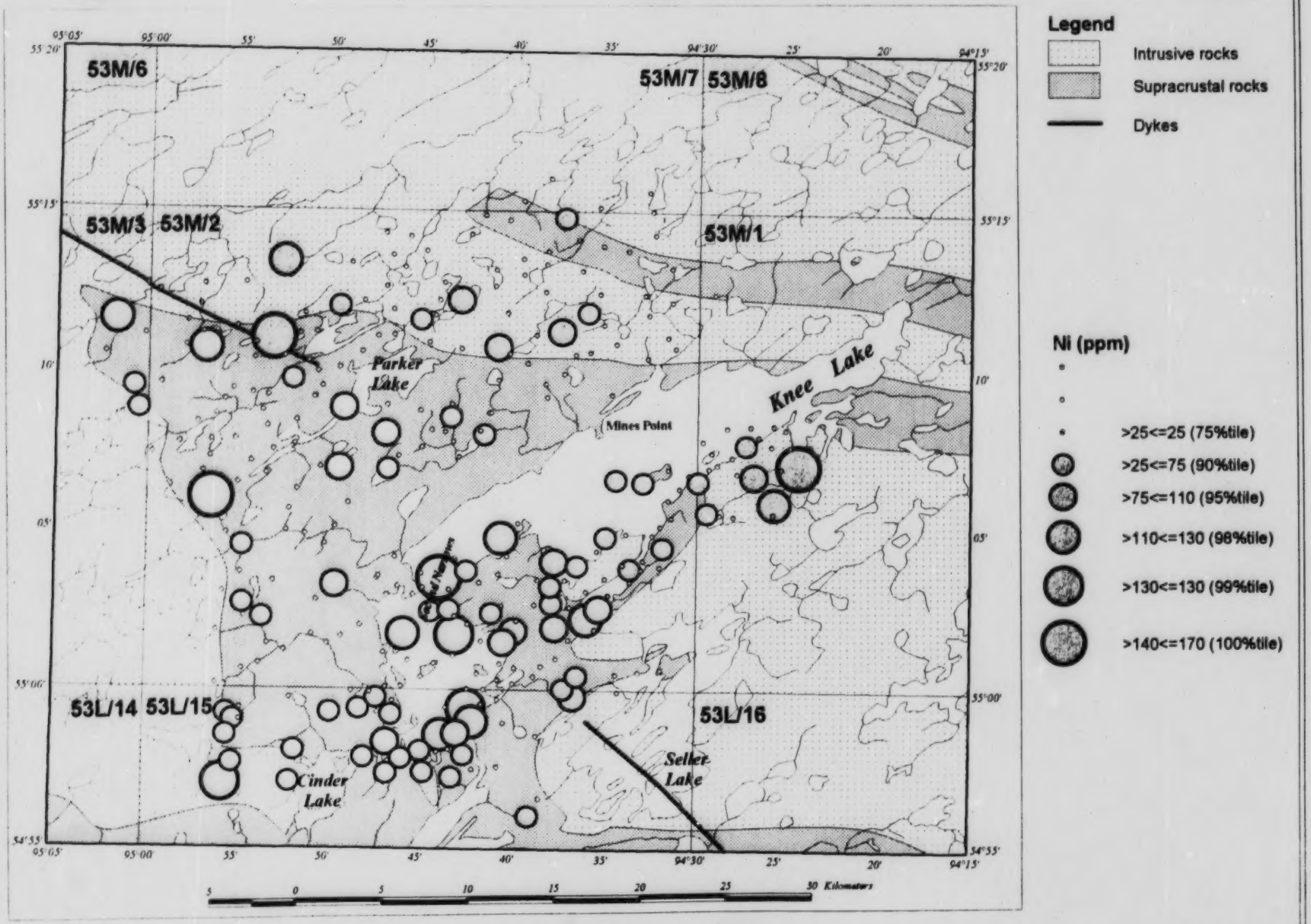
Black Spruce Crown Twigs 318 samples INAA



Black Spruce Crown Twigs 318 samples INAA

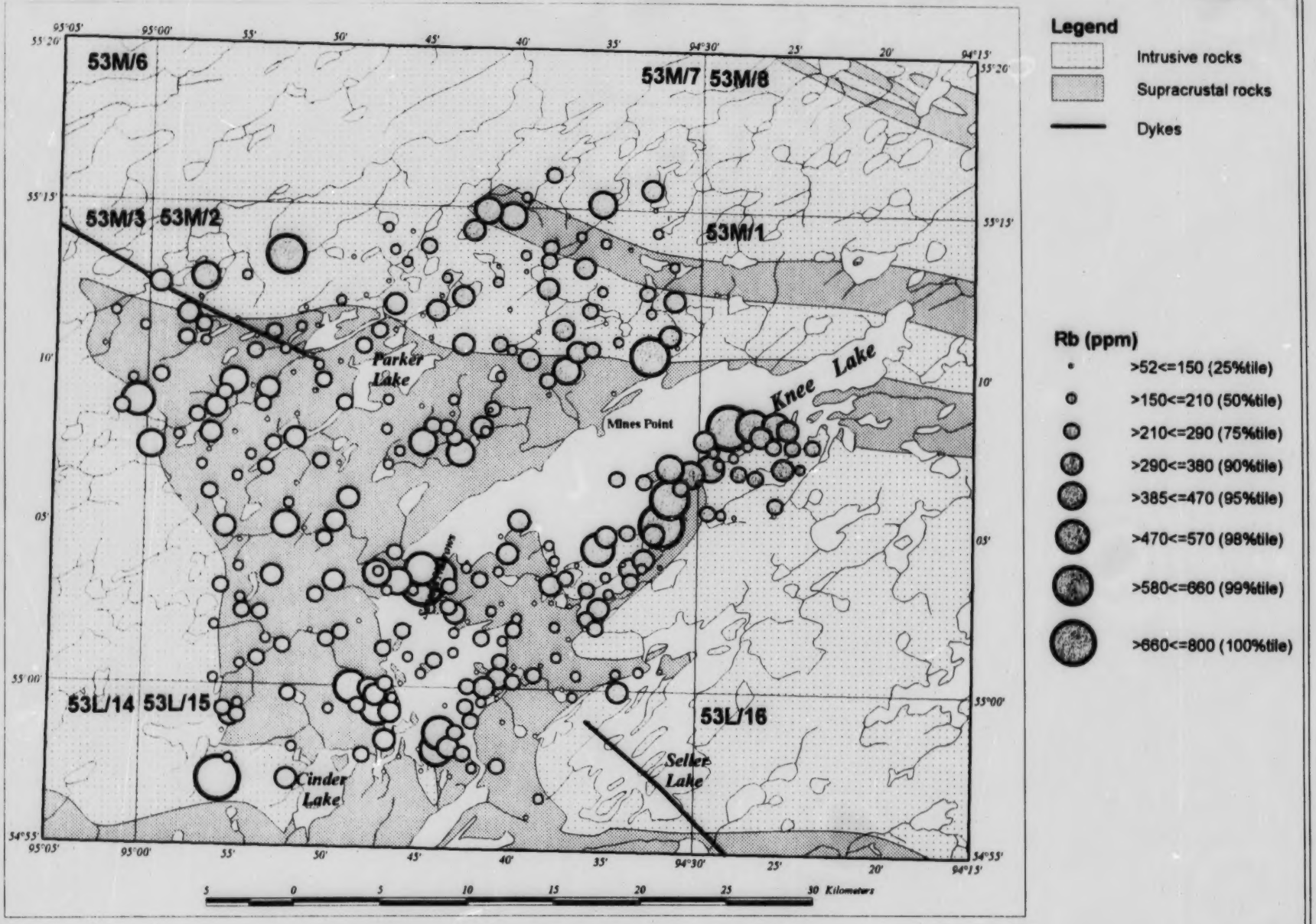


Black Spruce Crown Twigs 318 samples INAA

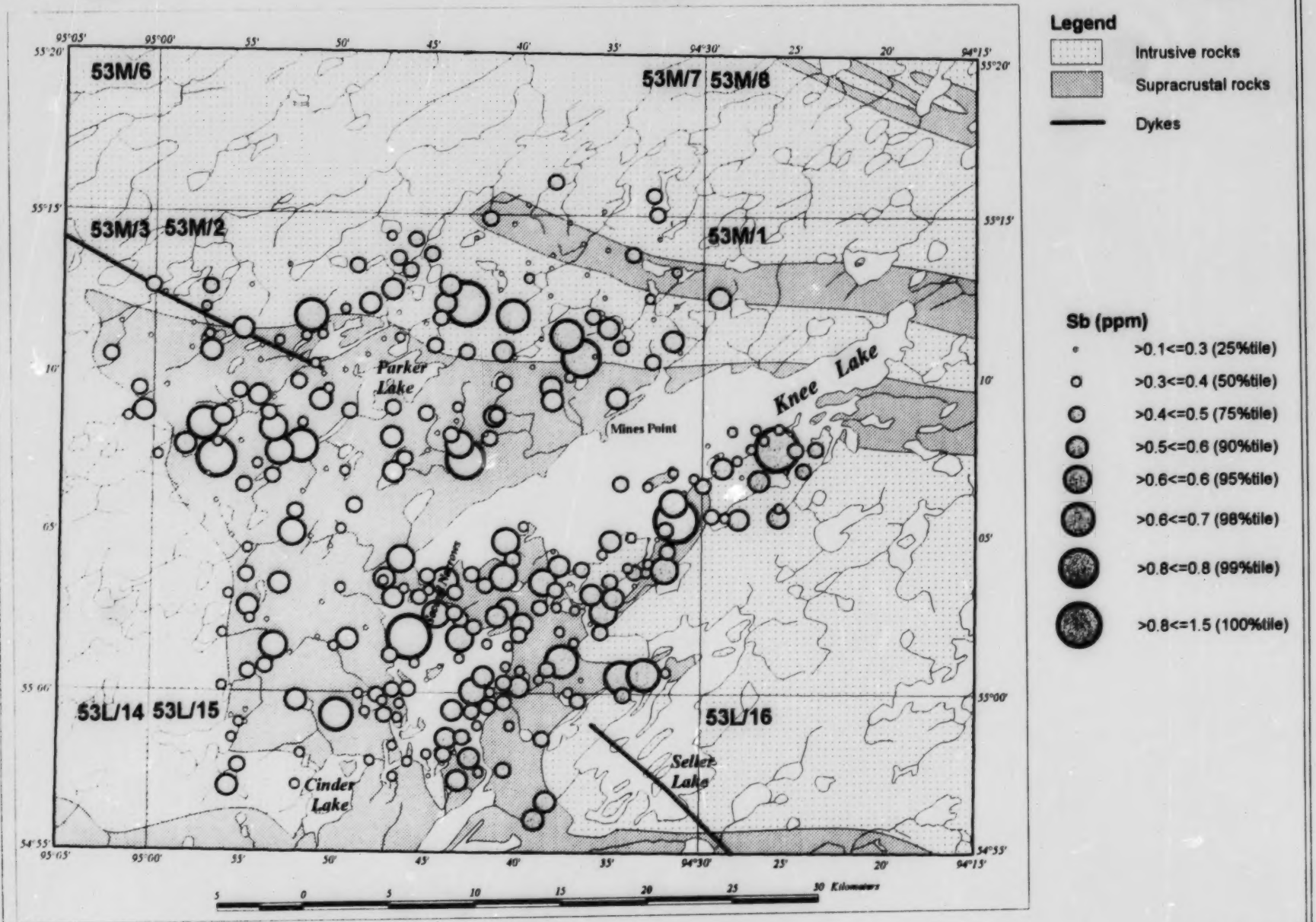


Black Spruce Crown Twigs 318 samples INAA

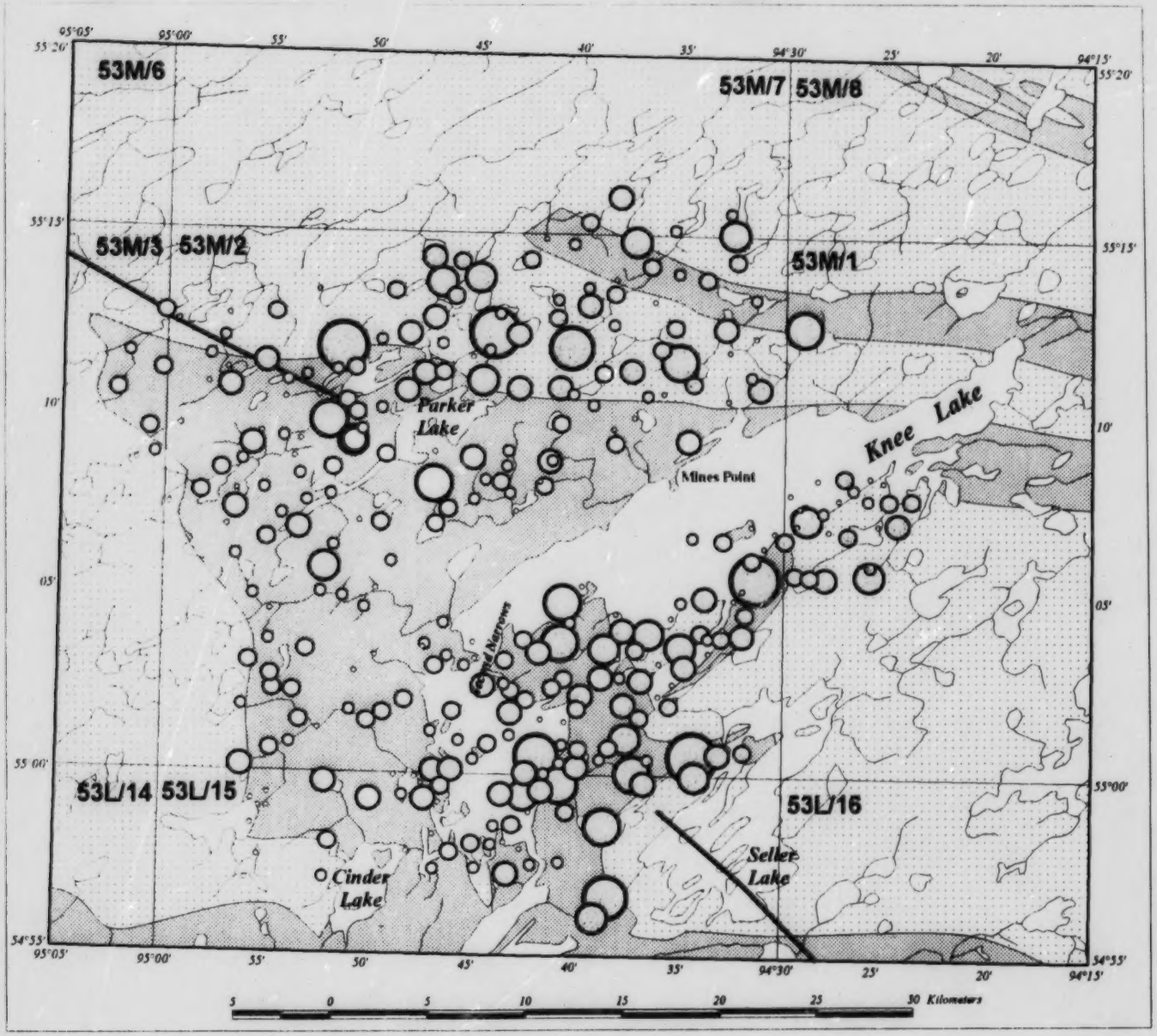
Appendix V-6-15



Black Spruce Crown Twigs 318 samples INAA



Black Spruce Crown Twigs 318 samples INAA



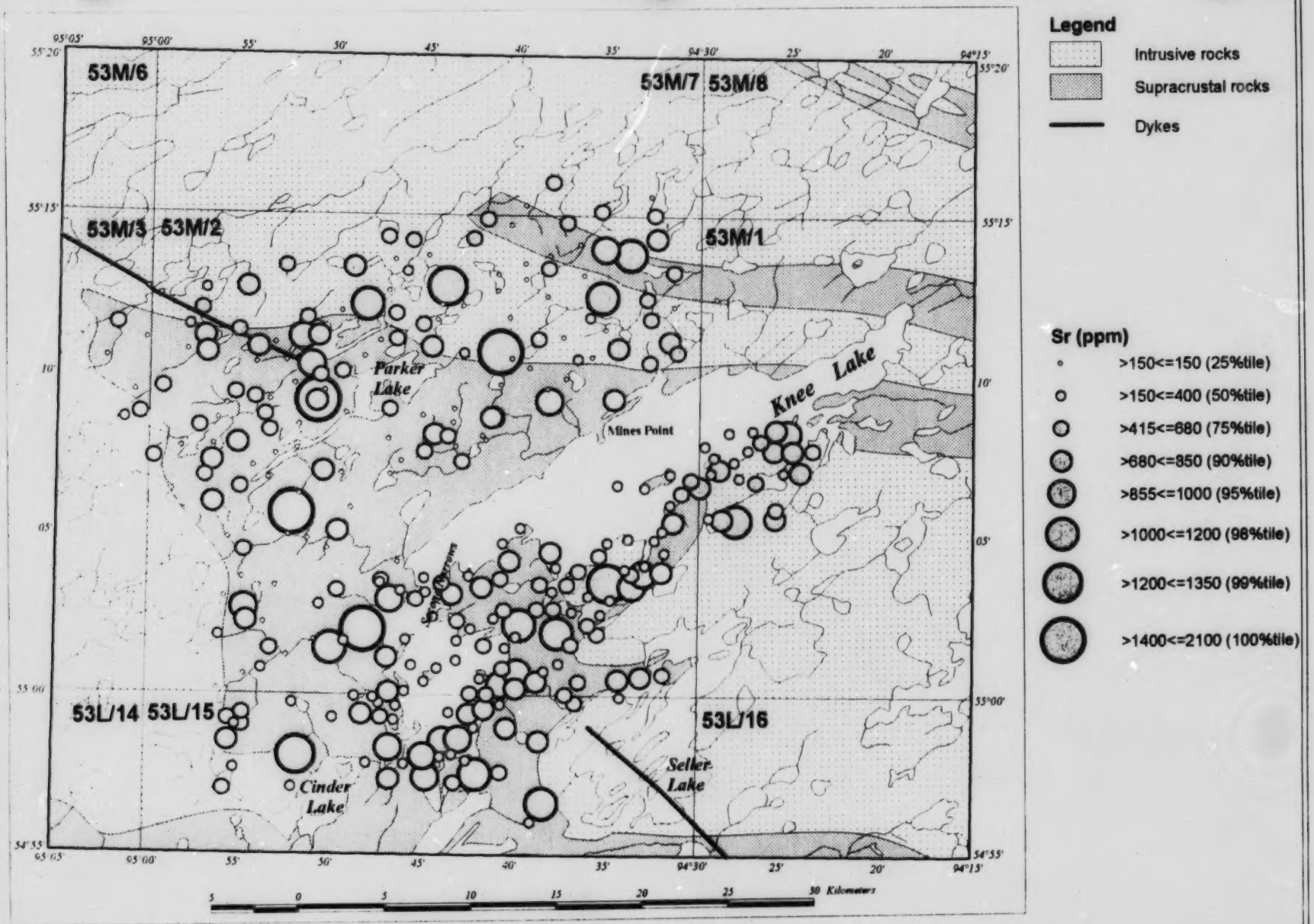
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

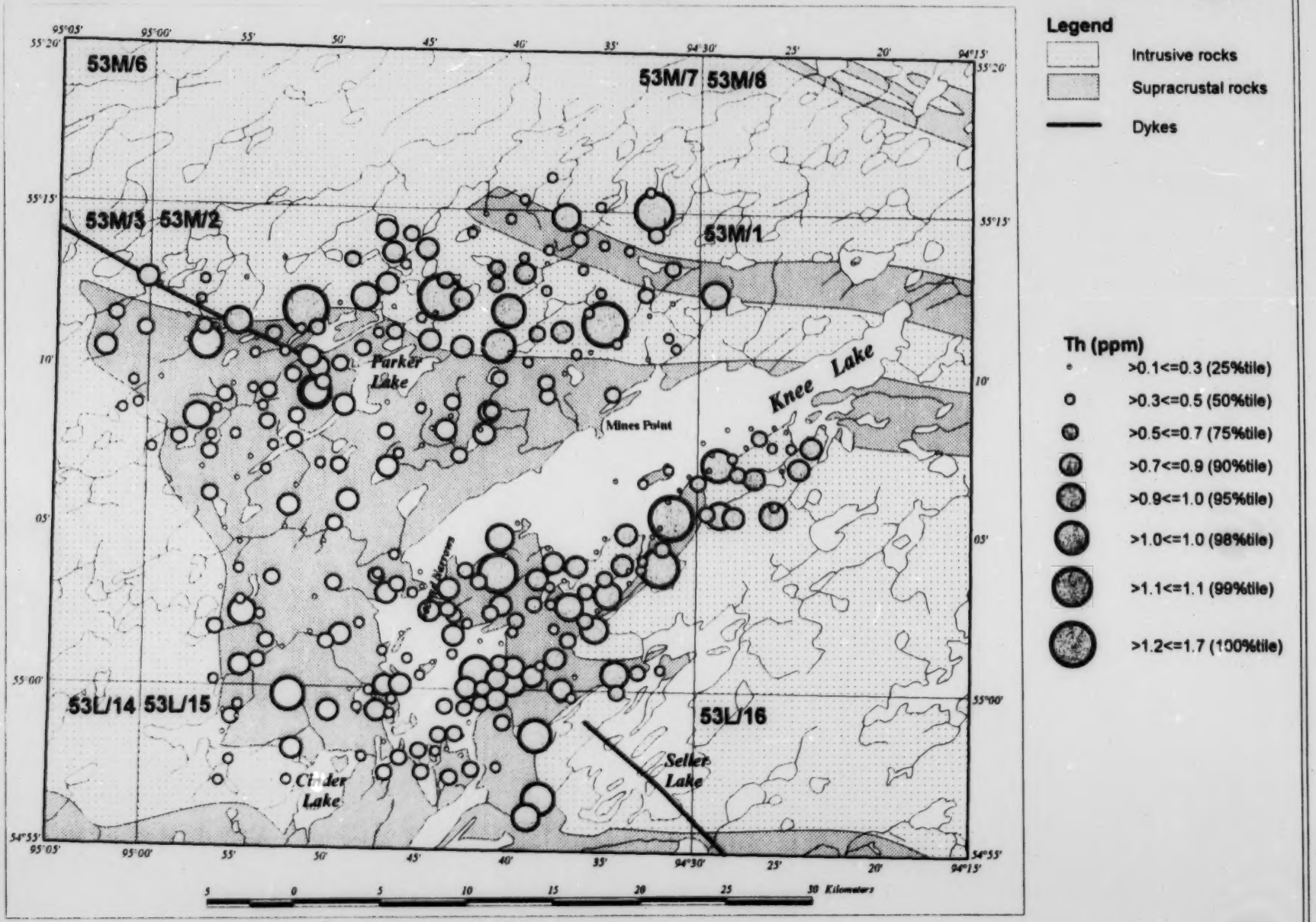
Sc (ppm)

- >0.2<=0.6 (25%tile)
- >0.6<=0.8 (50%tile)
- >0.8<=1.0 (75%tile)
- >1.0<=1.3 (90%tile)
- >1.3<=1.4 (95%tile)
- >1.4<=1.6 (98%tile)
- >1.6<=1.7 (99%tile)
- >1.8<=2.5 (100%tile)

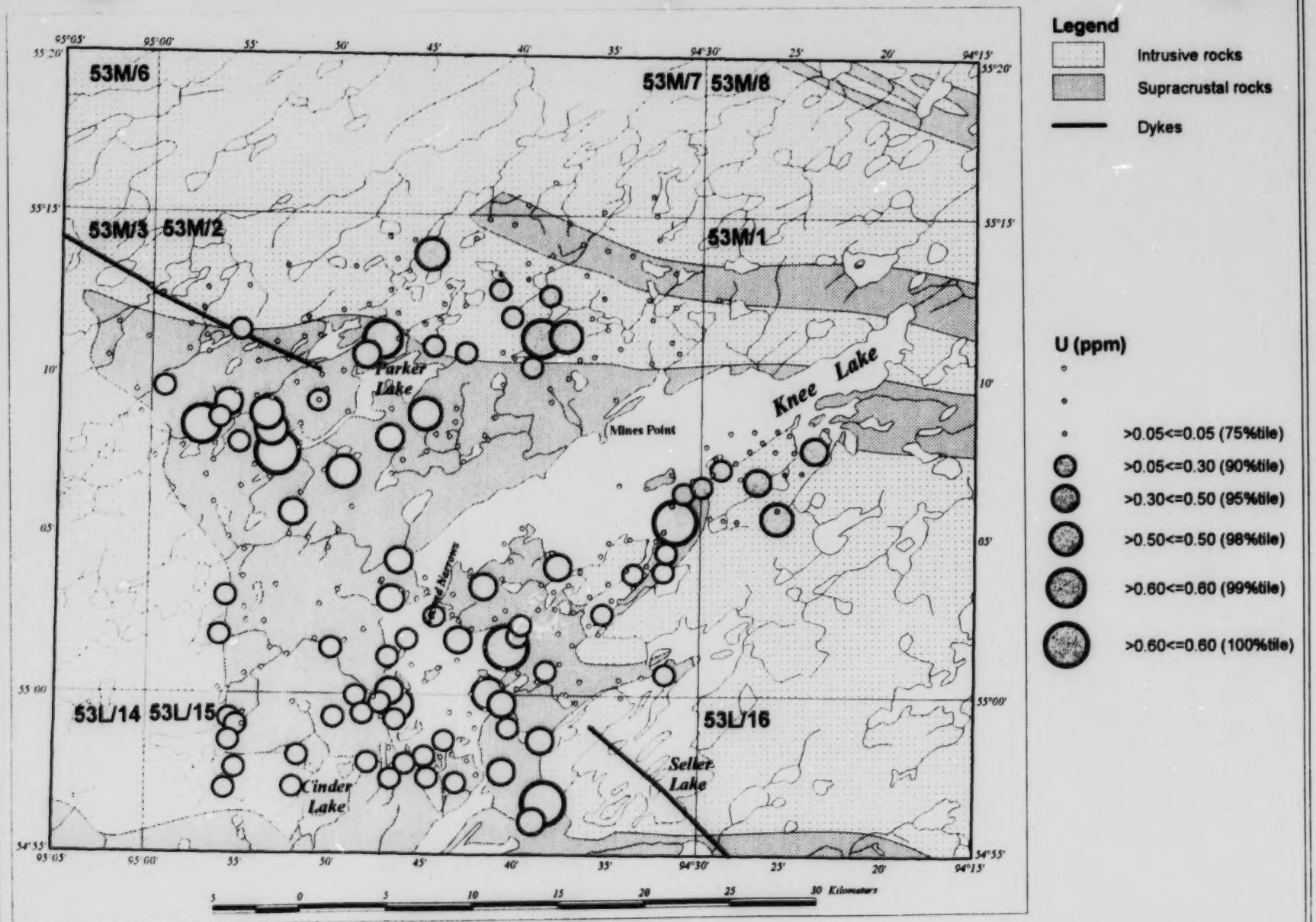
Black Spruce Crown Twigs 318 samples INAA



Black Spruce Crown Twigs 318 samples INAA



Black Spruce Crown Twigs 318 samples INAA



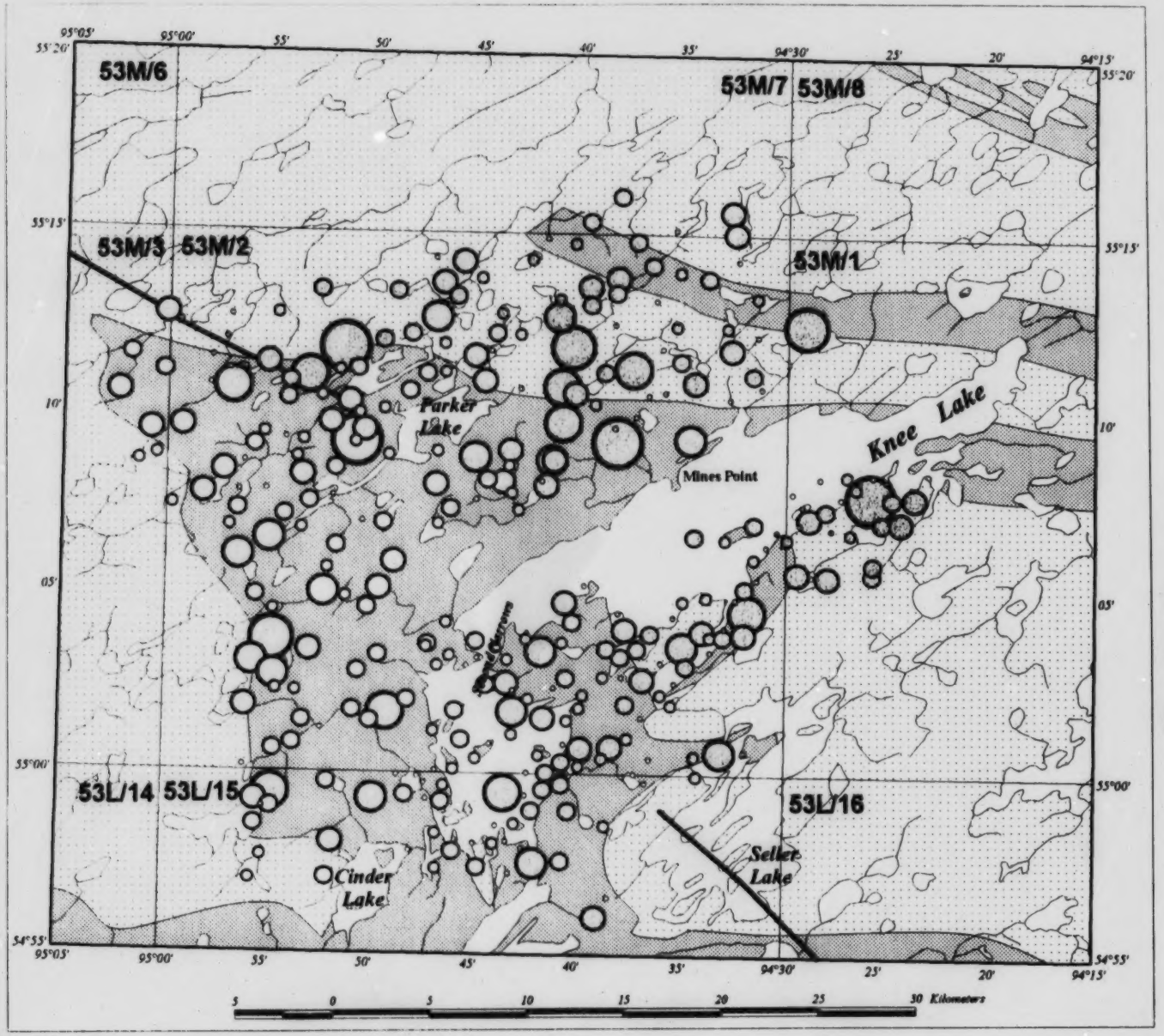
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

U (ppm)

- >0.05<=0.05 (75%tile)
- >0.05<=0.30 (90%tile)
- >0.30<=0.50 (95%tile)
- >0.50<=0.50 (98%tile)
- >0.60<=0.60 (99%tile)
- >0.60<=0.60 (100%tile)

Black Spruce Crown Twigs 318 samples INAA



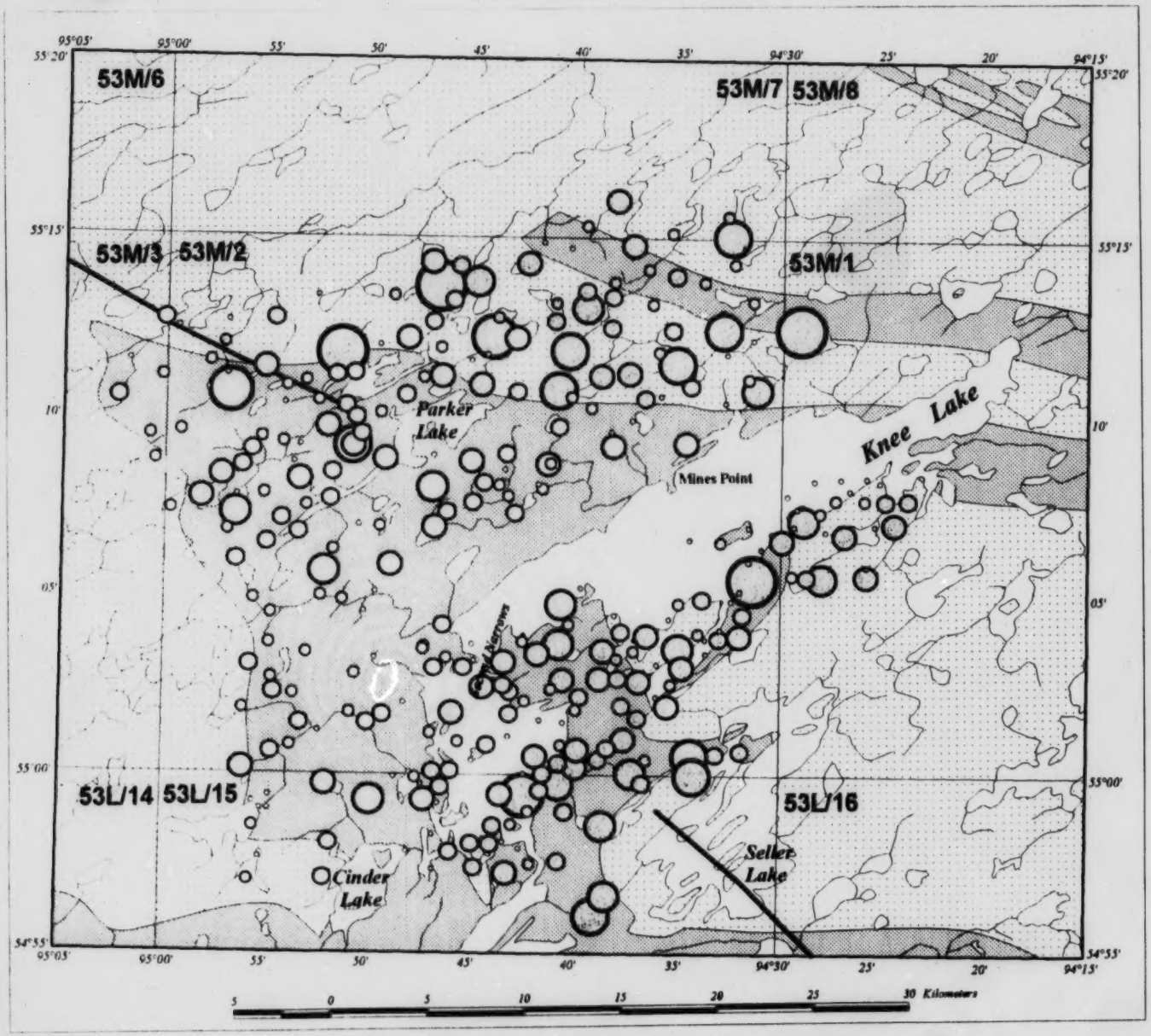
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Zn (ppm)

- >1300<=2100 (25%tile)
- >2100<=2450 (50%tile)
- >2500<=2900 (75%tile)
- >2900<=3300 (90%tile)
- >3300<=3500 (95%tile)
- >3600<=3900 (98%tile)
- >3900<=4100 (99%tile)
- >4100<=4800 (100%tile)

Black Spruce Crown Twigs 318 samples INAA



Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Total REE (ppm)

- >5.1<=8.7 (25%tile)
- >8.7<=10.7 (50%tile)
- >10.7<=13.1 (75%tile)
- >13.2<=16.1 (90%tile)
- >16.1<=18.0 (95%tile)
- >18.1<=21.1 (98%tile)
- >21.9<=23.5 (99%tile)
- >24.8<=28.0 (100%tile)

Black Spruce Crown Twigs 318 samples INAA

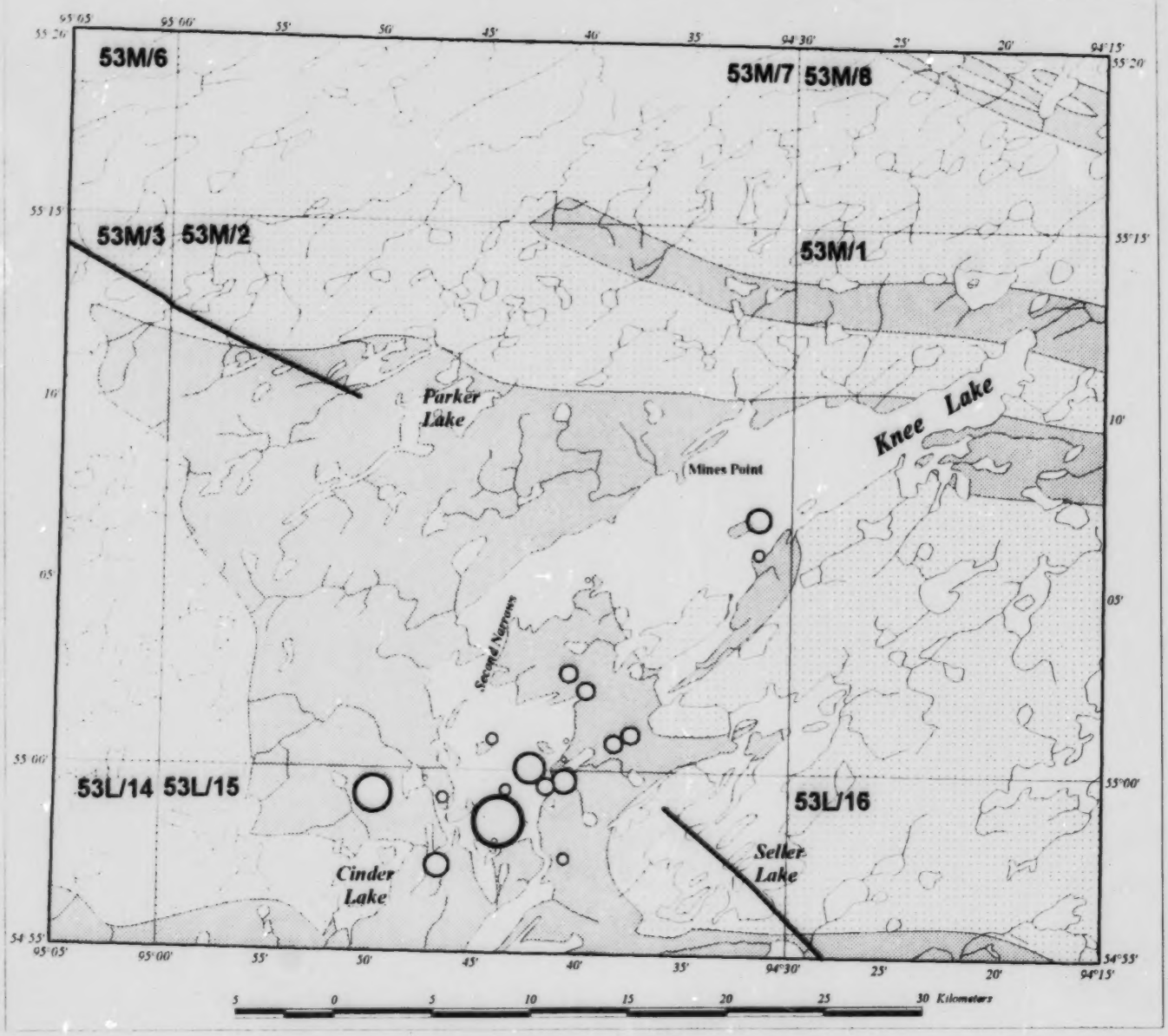
ICP-MS Analyses - Ashed Samples.

Sample	UTM		Li	Be	B	Na	Mg	Al	Si	K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge
	Easting	Northing	ppm	ppm	ppm	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
BST-10	386124.94	6091321.50	5.3	0.074	866	0.07	5.25	1830	813	15.2	23.1	0.35	199	4.2	3.3	10400	0.31	7.74	76.4	304	2060	0.611	0.121
BST-12	386406.75	6094751.50	2.5	0.048	841	0.08	7.92	1390	559	9.7	24.2	0.29	150	3.9	2.9	10500	0.30	2.00	29.1	268	2320	0.443	0.112
BST-13	382872.97	6094968.00	6.1	0.117	823	0.10	5.02	3050	707	9.4	25.0	0.63	169	9.1	5.5	13000	0.49	3.33	62.0	172	3410	1.150	0.115
BST-15	385545.63	6095757.00	2.4	0.074	897	0.08	6.07	2210	726	12.8	22.8	0.31	187	4.7	3.5	18600	0.30	5.35	92.6	272	1750	0.586	0.139
BST-16	389243.59	6093479.00	6.3	0.065	508	0.08	3.99	2970	811	11.0	24.9	0.30	142	6.3	4.7	12300	0.38	4.56	78.6	148	1220	0.952	0.134
BST-28	392562.69	6091566.00	2.6	0.073	1020	0.09	4.49	1850	969	12.5	22.8	0.38	138	6.0	3.4	17100	0.37	2.51	42.6	240	2190	0.697	0.122
BST-42	392622.44	6095510.50	5.7	0.089	745	0.08	5.29	3370	1170	7.8	22.5	0.48	149	9.9	5.4	14500	0.46	3.58	97.5	213	2510	1.067	0.112
BST-45	395159.84	6097386.00	2.8	0.065	965	0.06	5.03	2120	1140	9.5	20.7	0.14	126	6.6	4.1	15100	0.35	3.26	76.5	232	2790	0.759	0.123
BST-46	396015.28	6097819.50	4.0	0.114	865	0.15	5.30	3920	1600	9.5	20.7	0.61	193	10.5	5.9	26100	0.49	3.52	58.3	170	2140	1.275	0.145
BST-51	393755.47	6100100.50	3.2	0.080	573	0.07	4.49	2820	1040	9.1	24.1	0.52	147	7.4	4.9	20200	0.42	2.79	90.7	179	2070	0.982	0.111
BST-61	392900.03	6100991.00	3.8	0.087	571	0.08	3.57	2210	985	10.3	23.2	0.25	130	6.2	4.4	13200	0.39	3.38	62.4	148	2080	1.051	0.117
BST-94	389081.13	6092532.00	2.1	0.064	815	0.12	4.03	1540	1090	20.0	19.7	0.22	149	3.9	3.6	5850	0.32	2.17	41.3	186	1640	0.750	0.158
BST-102	392650.41	6096653.00	2.5	0.065	626	0.06	3.55	1880	734	9.8	24.9	0.10	120	5.0	3.8	13000	0.36	2.21	55.2	162	1950	0.787	0.122
BST-114	392777.34	6097588.00	2.1	0.048	569	0.06	4.05	1310	742	20.0	18.6	0.05	141	3.4	2.8	9750	0.29	3.62	56.5	277	1640	0.633	0.149
BST-115	391675.25	6095251.50	4.2	0.067	986	0.07	3.60	1690	727	10.2	24.7	0.22	116	5.4	3.2	8060	0.38	2.71	61.7	161	2260	0.679	0.131
BST-116	389621.63	6095117.50	2.6	0.110	875	0.04	3.77	2260	719	12.3	18.8	0.14	139	6.3	3.4	28900	0.34	2.46	93.7	223	3210	0.635	0.152
BST-117	390853.22	6096177.00	6.1	0.081	909	0.06	4.62	2800	930	13.7	18.9	0.05	151	5.0	4.5	9000	0.38	4.85	92.8	209	1590	0.765	0.122
BST-121	388949.72	6097695.50	2.8	0.085	557	0.06	4.48	1830	705	20.0	18.4	0.05	140	2.7	3.4	7870	0.28	3.72	43.3	169	1500	0.623	0.100
BST-131	393909.19	6105750.00	1.8	0.027	480	0.04	4.30	720	676	20.0	18.6	0.05	140	1.6	1.6	12200	0.21	2.05	62.5	294	1500	0.119	0.107
BST-151	402635.81	6106941.00	2.7	0.071	415	0.06	2.78	1640	962	20.0	20.3	0.05	130	3.1	3.8	7490	0.34	2.49	52.6	148	1730	0.738	0.122
BST-157	402663.81	6108717.50	5.8	0.032	536	0.10	4.25	1520	1070	20.0	18.4	0.05	129	1.4	2.5	12500	0.22	4.16	78.8	268	2200	0.447	0.152

Sample	As	Se	Rb	Sr	Y	Zr	Nb	Mo	Pd	Ag	Cd	In	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
BST-10	3.3	0.9	151	448	0.68	1.302	0.113	0.88	28	1.13	1.80	11.8	0.320	0.054	1.19	39.4	1.11	2.73	0.302	1.19	0.199	0.039	0.194	0.034	0.137
BST-12	3.7	0.6	443	324	0.66	0.820	0.083	0.56	22	0.93	0.93	8.4	0.262	0.014	6.90	40.4	1.17	2.60	0.293	1.12	0.200	0.036	0.186	0.019	0.139
BST-13	5.2	0.7	171	385	1.37	4.344	0.176	0.82	31	0.84	2.33	22.7	0.454	0.036	1.18	49.9	2.50	5.31	0.637	2.34	0.437	0.082	0.396	0.048	0.289
BST-15	3.5	1.3	437	300	0.63	0.287	0.099	0.76	21	3.67	1.35	11.1	0.377	0.033	9.67	57.5	1.13	2.77	0.303	1.04	0.203	0.044	0.154	0.025	0.132
BST-16	3.6	1.0	541	411	0.83	0.602	0.119	1.09	30	1.14	1.77	22.0	0.429	0.049	7.31	41.0	1.31	3.32	0.395	1.55	0.296	0.051	0.270	0.028	0.174
BST-28	5.8	1.3	317	301	0.85	0.313	0.136	0.89	24	0.97	1.14	12.1	0.431	0.045	5.52	52.9	1.56	3.48	0.402	1.45	0.289	0.045	0.220	0.029	0.188
BST-42	4.8	1.2	124	384	1.47	1.568	0.134	1.18	35	0.82	2.93	24.4	0.369	0.025	2.17	55.0	2.95	5.85	0.712	2.71	0.466	0.085	0.430	0.050	0.305
BST-45	3.6	0.7	140	175	0.94	0.321	0.136	0.83	18	1.04	1.36	12.2	0.438	0.026	2.10	54.1	1.86	3.84	0.445	1.67	0.299	0.056	0.292	0.031	0.201
BST-46	3.7	1.2	174	270	1.48	0.732	0.236	1.03	26	0.84	2.40	20.4	0.672	0.035	2.23	60.4	2.96	6.03	0.731	2.82	0.478	0.100	0.436	0.049	0.308
BST-51	3.8	1.2	185	480	1.16	0.296	0.174	0.95	43	0.87	2.01	18.3	0.429	0.001	2.11	59.6	2.37	4.92	0.567	2.19	0.375	0.067	0.371	0.040	0.226
BST-61	3.6	0.8	130	306	1.00	0.677	0.158	0.94	27	0.83	2.07	15.1	0.397	0.013	1.18	79.9	2.05	4.32	0.488	1.81	0.324	0.062	0.316	0.032	0.198
BST-94	2.6	0.6	622	374	0.73	1.812	0.160	0.58	27	0.64	1.56	15.2	0.347	0.030	6.01	63.9	1.41	3.28	0.347	1.27	0.248	0.050	0.209	0.028	0.138
BST-102	3.8	1.0	246	284	0.83	0.792	0.123	0.65	26	1.12	1.59	13.8	0.263	0.036	7.21	62.0	1.76	3.70	0.429	1.61	0.274	0.053	0.275	0.029	0.172
BST-114	3.2	0.7	390	197	0.60	0.324	0.089	0.63	17	0.86	1.75	13.3	0.283	0.011	5.34	65.8	1.16	2.68	0.286	1.20	0.201	0.035	0.176	0.020	0.129
BST-115	6.7	1.1	309	486	0.77	0.355	0.107	0.79	39	0.67	1.86	18.4	0.397	0.034	4.72	75.5	1.51	3.51	0.419	1.50	0.275	0.057	0.246	0.031	0.167
BST-116	4.5	1.1	206	139	0.76	0.376	0.128	0.84	13	1.09	1.75	14.9	0.310	0.014	4.43	63.1	1.68	3.48	0.404	1.46	0.251	0.048	0.242	0.025	0.167
BST-117	3.1	1.1	486	265	0.96	0.294	0.131	0.87	21	0.64	1.55	15.6	0.310	0.028	18.64	53.9	1.91	4.21	0.486	1.85	0.314	0.061	0.318	0.033	0.195
BST-121	2.3	0.7	406	263	0.68	0.532	0.117	0.93	20	0.54	1.23	11.9	0.234	0.034	5.13	52.4	1.37	3.10	0.339	1.33	0.246	0.047	0.208	0.026	0.156
BST-131	2.6	0.7	509	197	0.35	0.291	0.081	1.26	15	0.62	0.77	9.1	0.217	0.013	8.98	51.7	2.52	4.66	0.577	1.74	0.112	0.025	0.107	0.010	0.076
BST-151	2.8	0.8	735	333	0.82	0.189	0.173	1.04	26	0.93	1.81	15.2	0.335	0.032	25.97	70.3	1.71	3.81	0.418	1.63	0.270	0.060	0.244	0.027	0.179
BST-157	1.9	1.2	553	200	0.43	0.514	0.110	0.59	15	0.66	1.47	8.6	0.400	0.037	5.18	59.1	0.94	2.29	0.240	0.82	0.150	0.030	0.131	0.011	0.085

Sample	Ho	Er	Tm	Yb	Lu	TREE	Hf	Ta	Re	Au	Tl	Pb	Bi	Th	U
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppt	ppb	ppm	ppm	ppm	ppm	ppm
BST-10	0.026	0.071	0.010	0.063	0.012	6.11	0.018	0.002	1320	8	0.123	10.4	0.21	0.200	0.179
BST-12	0.026	0.065	0.008	0.053	0.011	5.92	0.027	0.001	375	5	0.380	7.2	0.16	0.220	0.118
BST-13	0.054	0.151	0.020	0.120	0.023	12.40	0.019	0.001	1300	7	0.187	21.5	0.41	0.418	0.299
BST-15	0.025	0.059	0.008	0.041	0.010	5.95	0.015	0.001	566	10	0.140	12.4	0.44	0.218	0.124
BST-16	0.032	0.092	0.012	0.066	0.014	7.61	0.013	0.003	820	5	0.503	17.3	0.22	0.181	0.170
BST-28	0.033	0.109	0.013	0.065	0.014	7.90	0.012	0.003	747	5	0.086	10.8	0.21	0.294	0.148
BST-42	0.058	0.169	0.024	0.141	0.023	13.97	0.015	0.003	1270	5	0.109	22.6	0.47	0.498	0.274
BST-45	0.036	0.100	0.016	0.088	0.015	8.95	0.013	0.003	687	5	0.174	10.0	0.21	0.331	0.149
BST-46	0.057	0.164	0.022	0.122	0.024	14.30	0.021	0.005	558	3	0.072	20.7	0.32	0.556	0.301
BST-51	0.048	0.144	0.017	0.105	0.019	11.47	0.015	0.002	966	3	0.220	16.8	0.34	0.403	0.177
BST-61	0.042	0.111	0.016	0.094	0.017	9.88	0.014	0.003	502	4	0.108	14.6	0.28	0.354	0.181
BST-94	0.024	0.084	0.012	0.054	0.012	7.17	0.016	0.005	715	6	0.100	14.2	0.27	0.262	0.131
BST-102	0.031	0.093	0.013	0.059	0.015	8.52	0.012	0.002	538	6	0.253	13.0	0.27	0.312	0.196
BST-114	0.025	0.076	0.009	0.049	0.012	6.06	0.013	0.002	925	4	0.080	11.4	0.23	0.223	0.144
BST-115	0.031	0.089	0.015	0.065	0.015	7.93	0.014	0.002	633	4	0.411	19.1	0.34	0.255	0.181
BST-116	0.029	0.071	0.011	0.064	0.015	7.95	0.014	0.003	600	9	0.471	13.8	0.26	0.303	0.160
BST-117	0.041	0.121	0.014	0.093	0.018	9.65	0.018	0.003	830	5	2.090	13.2	0.24	0.332	0.166
BST-121	0.029	0.070	0.010	0.051	0.014	7.00	0.026	0.003	376	1	0.256	10.3	0.17	0.250	0.136
BST-131	0.013	0.038	0.006	0.024	0.007	9.92	0.014	0.002	371	1	0.031	5.9	0.11	0.106	0.102
BST-151	0.037	0.087	0.013	0.089	0.015	8.59	0.019	0.003	638	3	0.484	16.7	0.29	0.290	0.159
BST-157	0.019	0.056	0.006	0.046	0.010	4.83	0.016	0.002	824	4	0.532	8.1	0.16	0.135	0.234

ICP-MS Percentile Bubble Plots.



Legend

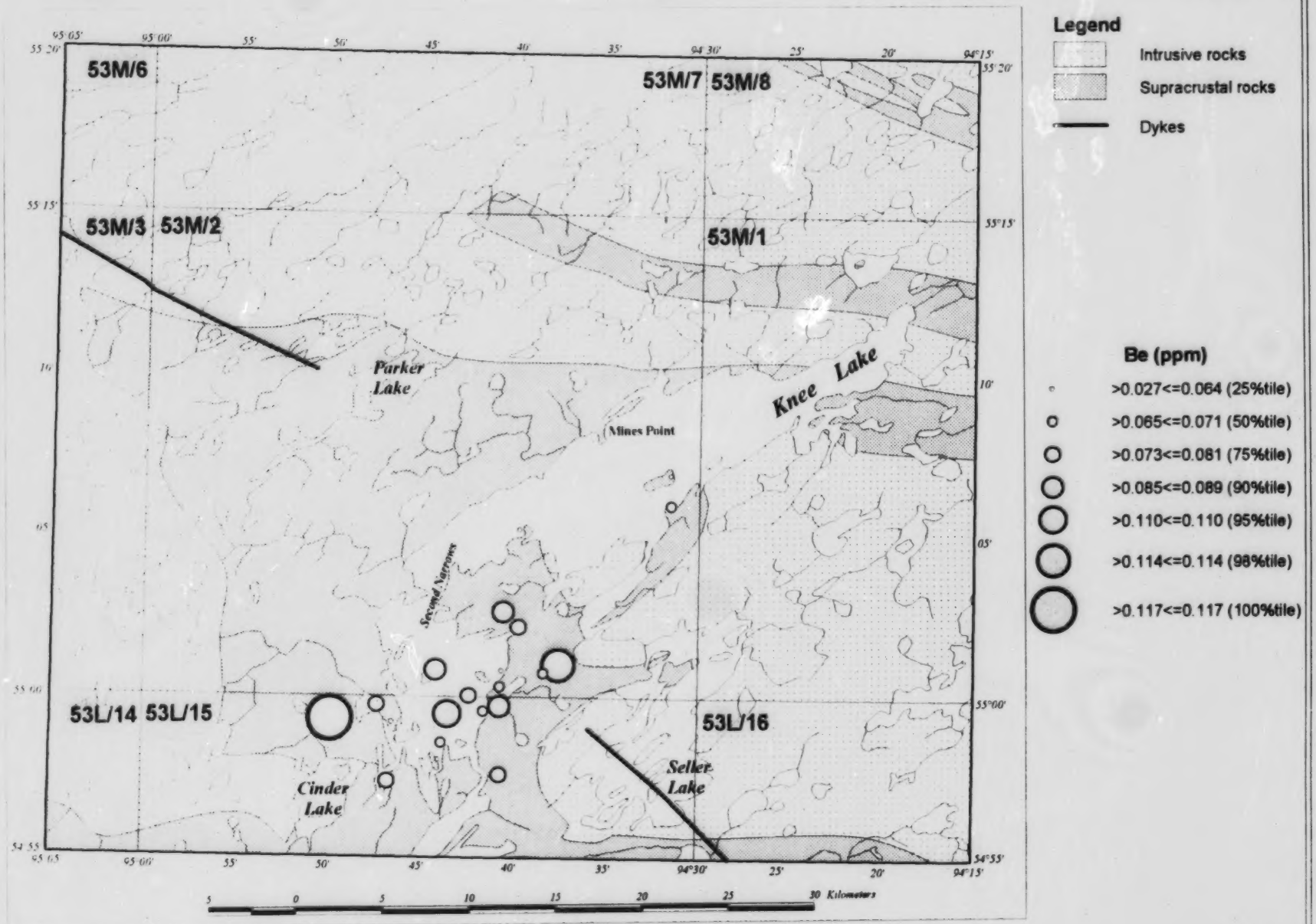
- Intrusive rocks
- Supracrustal rocks
- Dykes

Li (ppm)

- >1.8<=2.5 (25%tile)
- >2.5<=2.8 (50%tile)
- >2.8<=4.2 (75%tile)
- >5.3<=5.8 (90%tile)
- >6.1<=6.1 (95%tile)
- >6.1<=6.1 (98%tile)
- >6.3<=6.3 (100%tile)

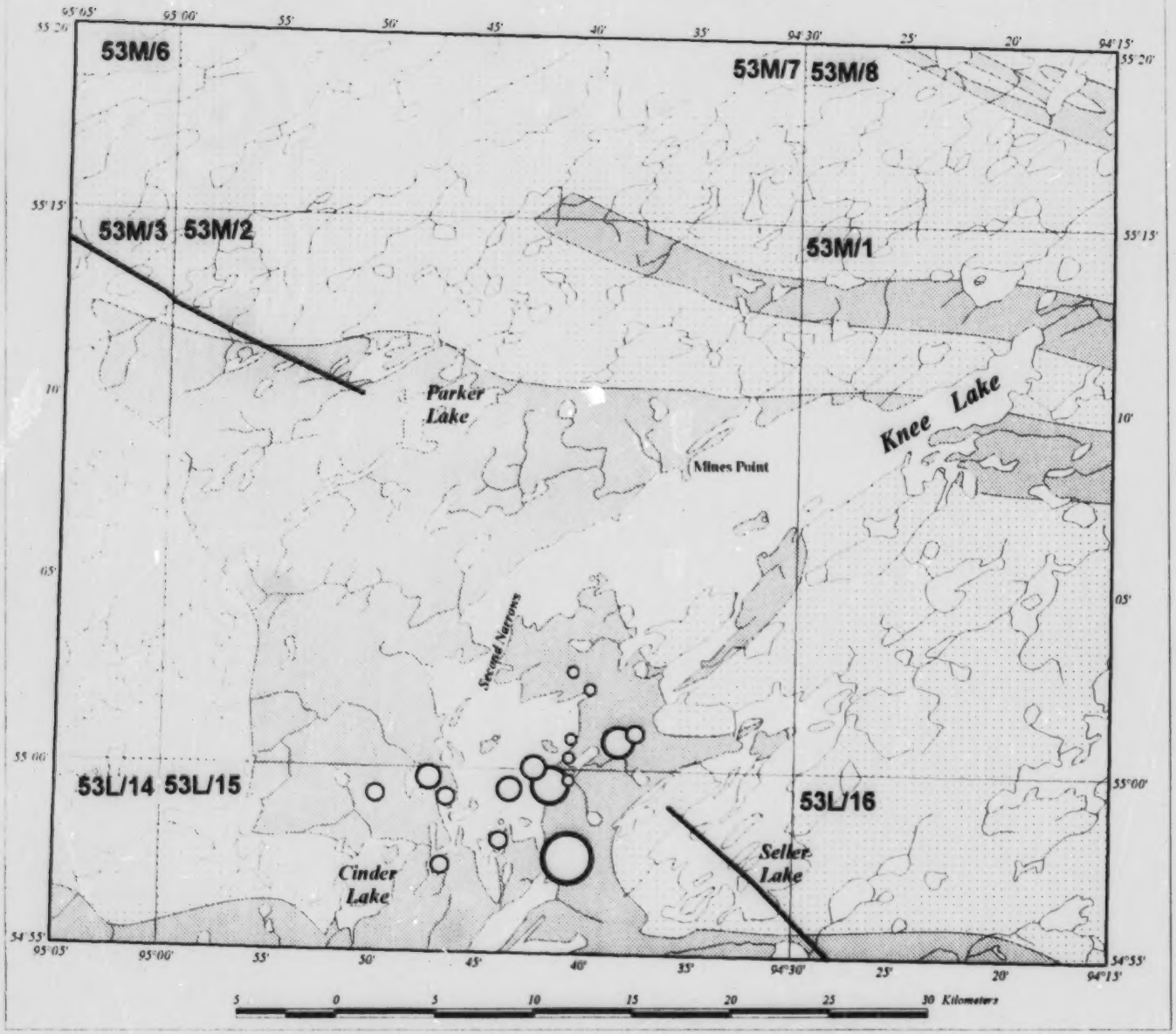
Black Spruce Crown Twigs - 21 samples Ash /ICP-MS

Appendix V-8-1



Black Spruce Crown Twigs - 21 samples **Ash /ICP-MS**

Appendix V-8-2



Legend

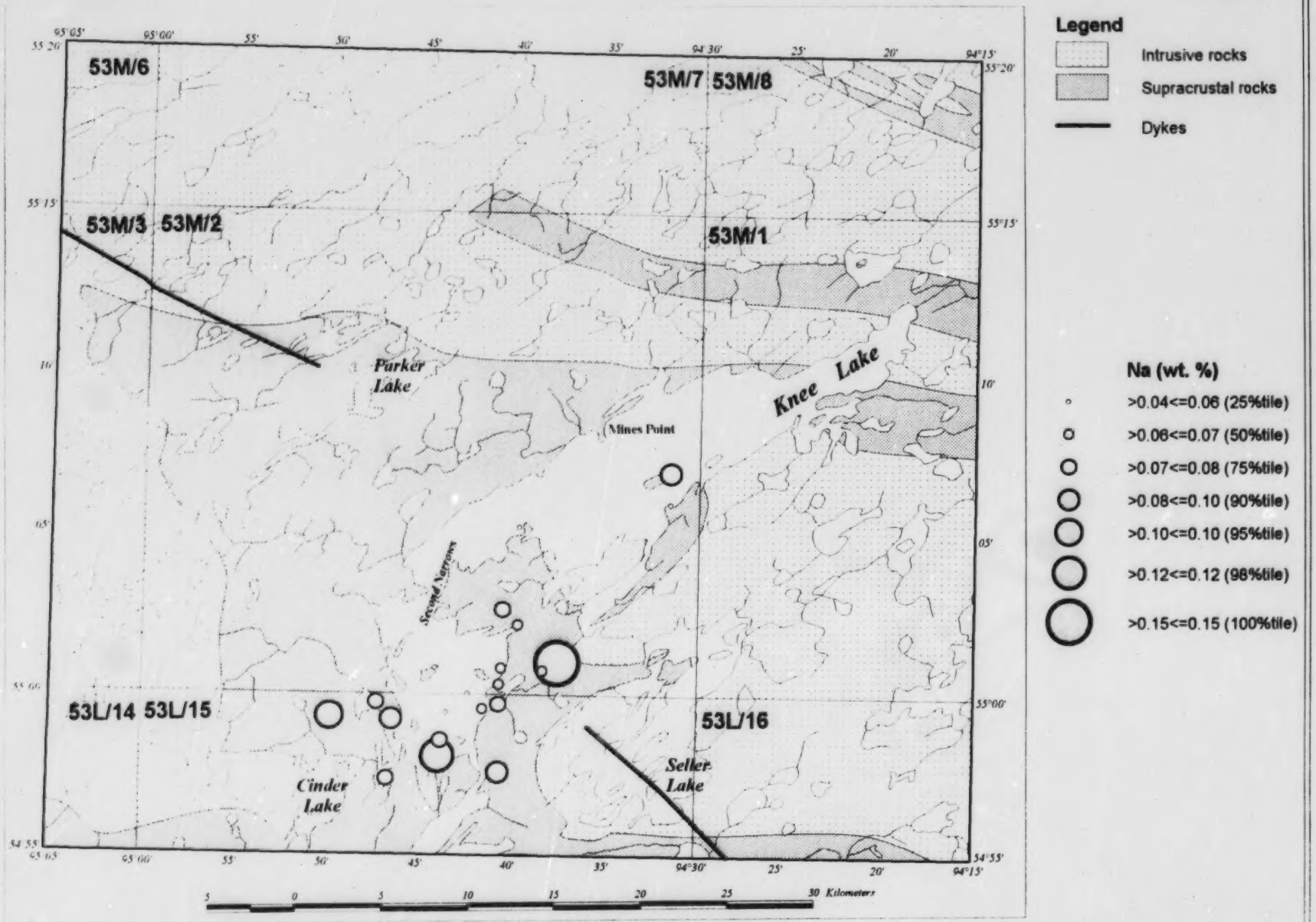
- Intrusive rocks
- Supracrustal rocks
- Dykes

B (ppm)

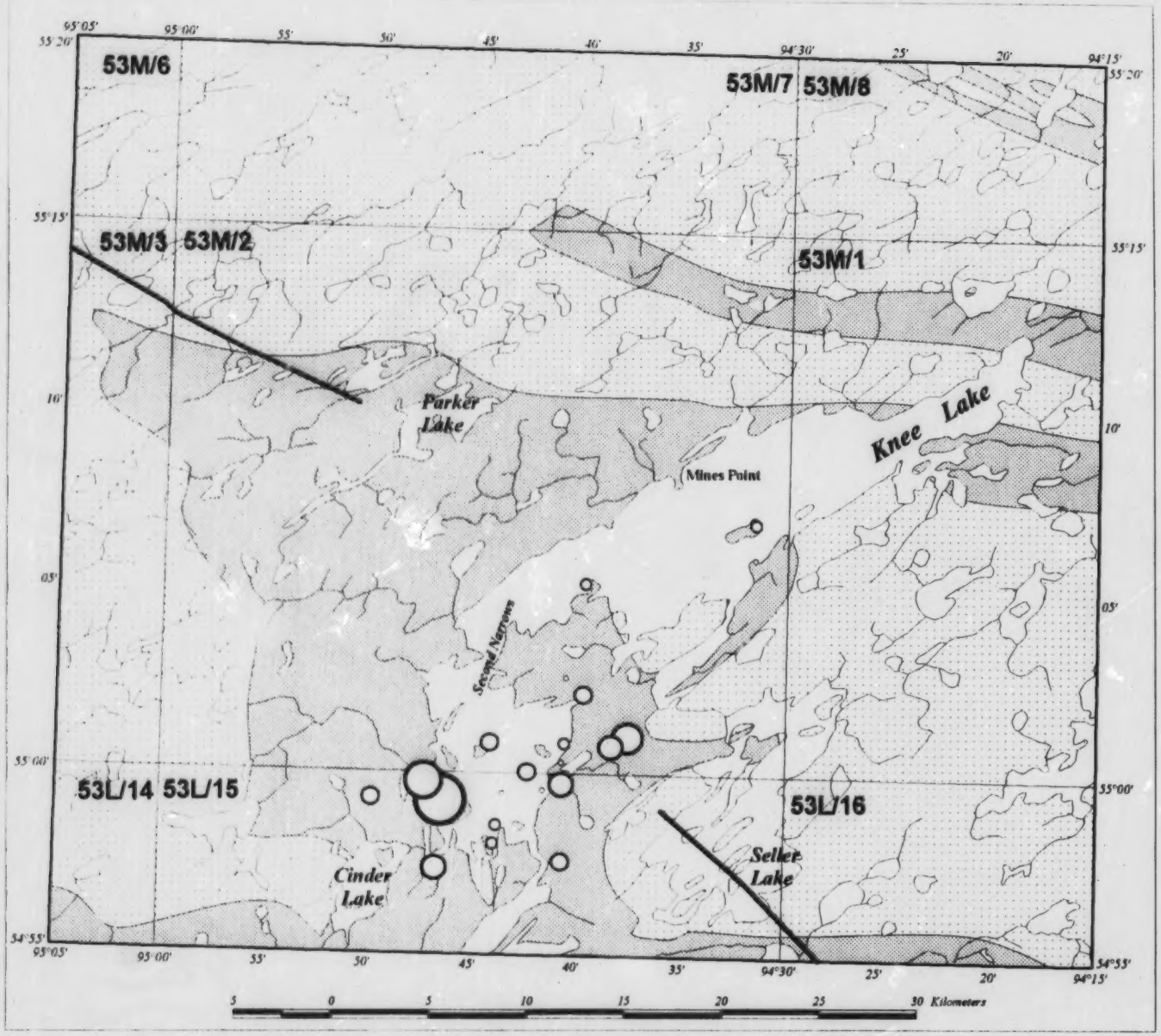
- >415<=557 (25%tile)
- >569<=745 (50%tile)
- >815<=866 (75%tile)
- >875<=909 (90%tile)
- >965<=965 (95%tile)
- >986<=986 (98%tile)
- >1020<=1020 (100%tile)

Black Spruce Crown Twigs - 21 samples Ash /ICP-MS

Appendix V-8-3



Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



Legend

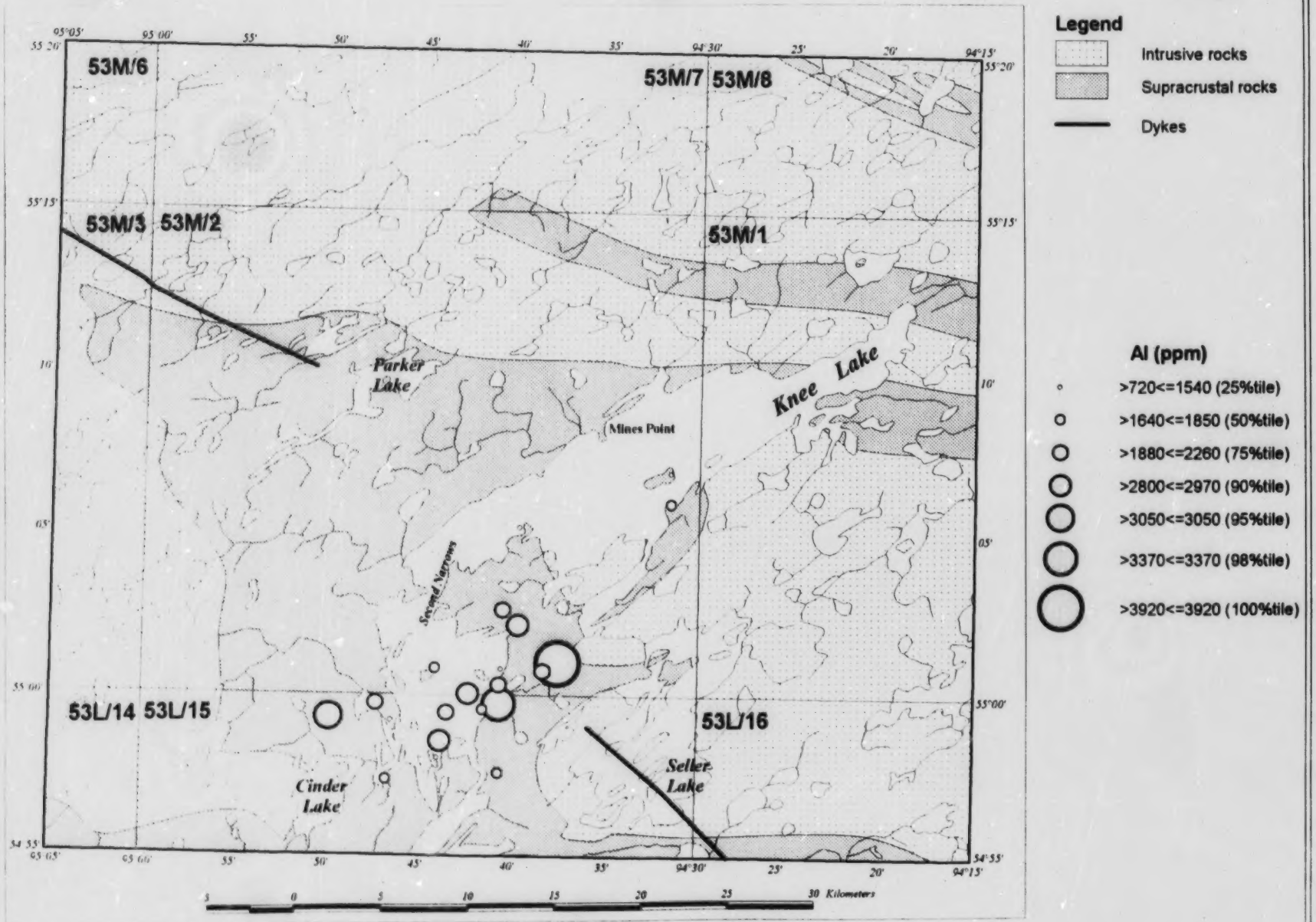
- Intrusive rocks
- Supracrustal rocks
- Dykes

Mg (wt. %)

- >2.78<=3.77 (25%tile)
- >3.99<=4.30 (50%tile)
- >4.48<=5.02 (75%tile)
- >5.03<=5.29 (90%tile)
- >5.30<=5.30 (95%tile)
- >6.07<=6.07 (98%tile)
- >7.92<=7.92 (100%tile)

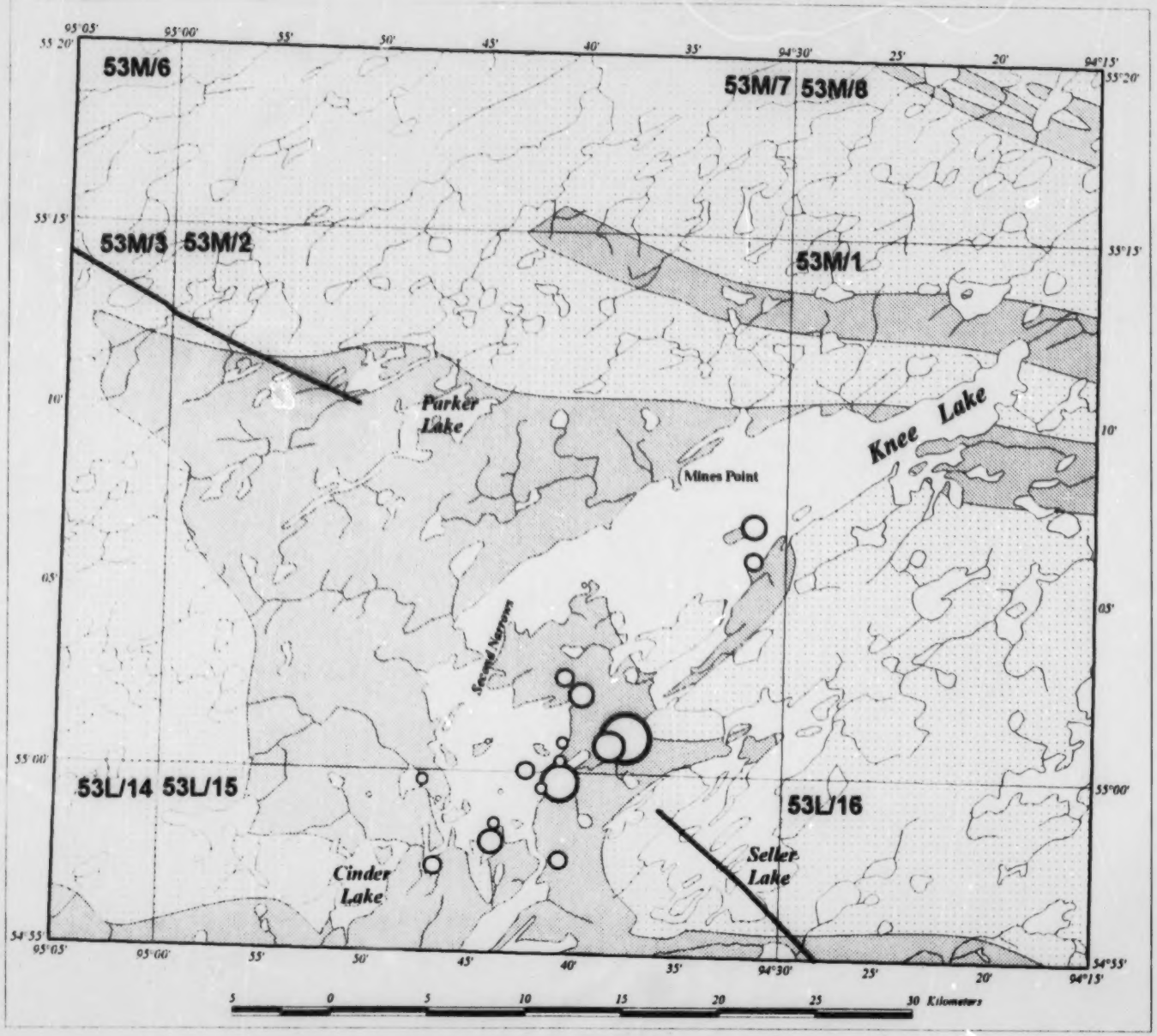
Black Spruce Crown Twigs - 21 samples Ash /ICP-MS

Appendix V-8-5



Black Spruce Crown Twigs - 21 samples Ash /ICP-MS

Appendix V-8-6



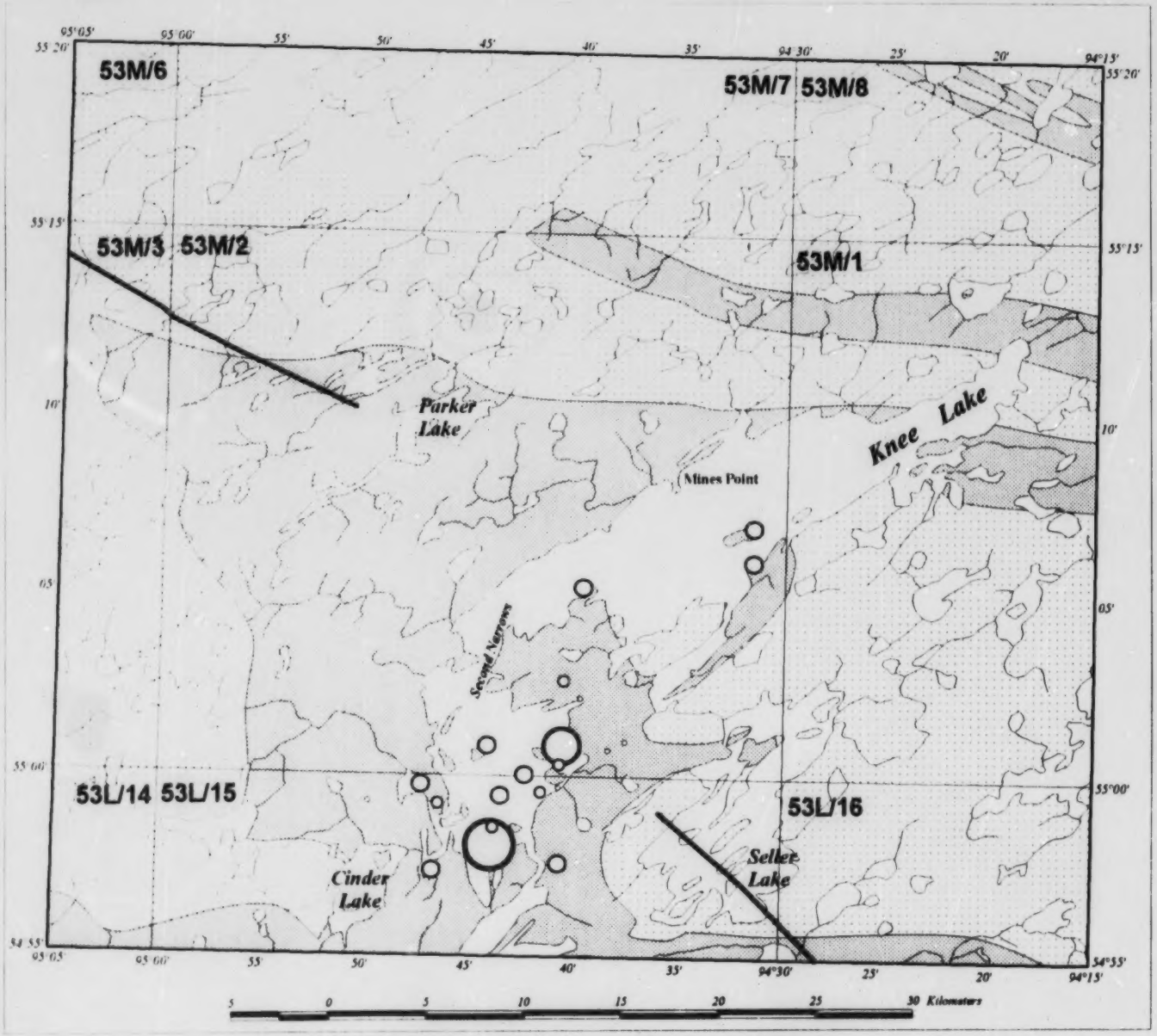
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Si (ppm)

- >559<=719 (25%tile)
- >726<=811 (50%tile)
- >813<=985 (75%tile)
- >1040<=1090 (90%tile)
- >1140<=1140 (95%tile)
- >1170<=1170 (98%tile)
- >1600<=1600 (100%tile)

Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



Legend

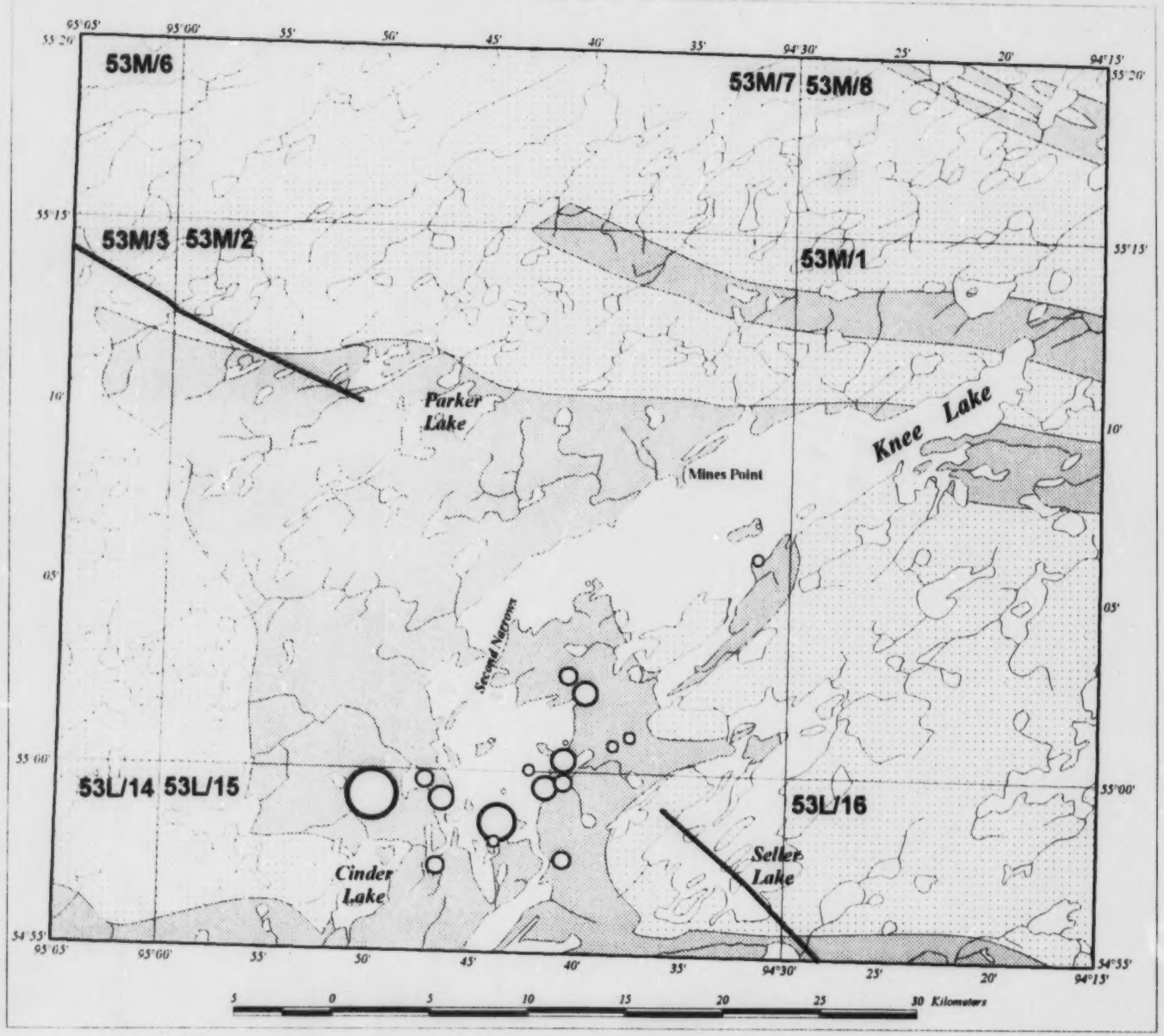
- Intrusive rocks
- Supracrustal rocks
- Dykes

K (wt. %)

- >7.8<=9.5 (25%tile)
- >9.7<=11.0 (50%tile)
- >12.3<=15.2 (75%tile)
- >20.0<=20.0 (98%tile)
- >20.0<=20.0 (100%tile)

Black Spruce Crown Twigs - 21 samples Ash /ICP-MS

Appendix V-8-8



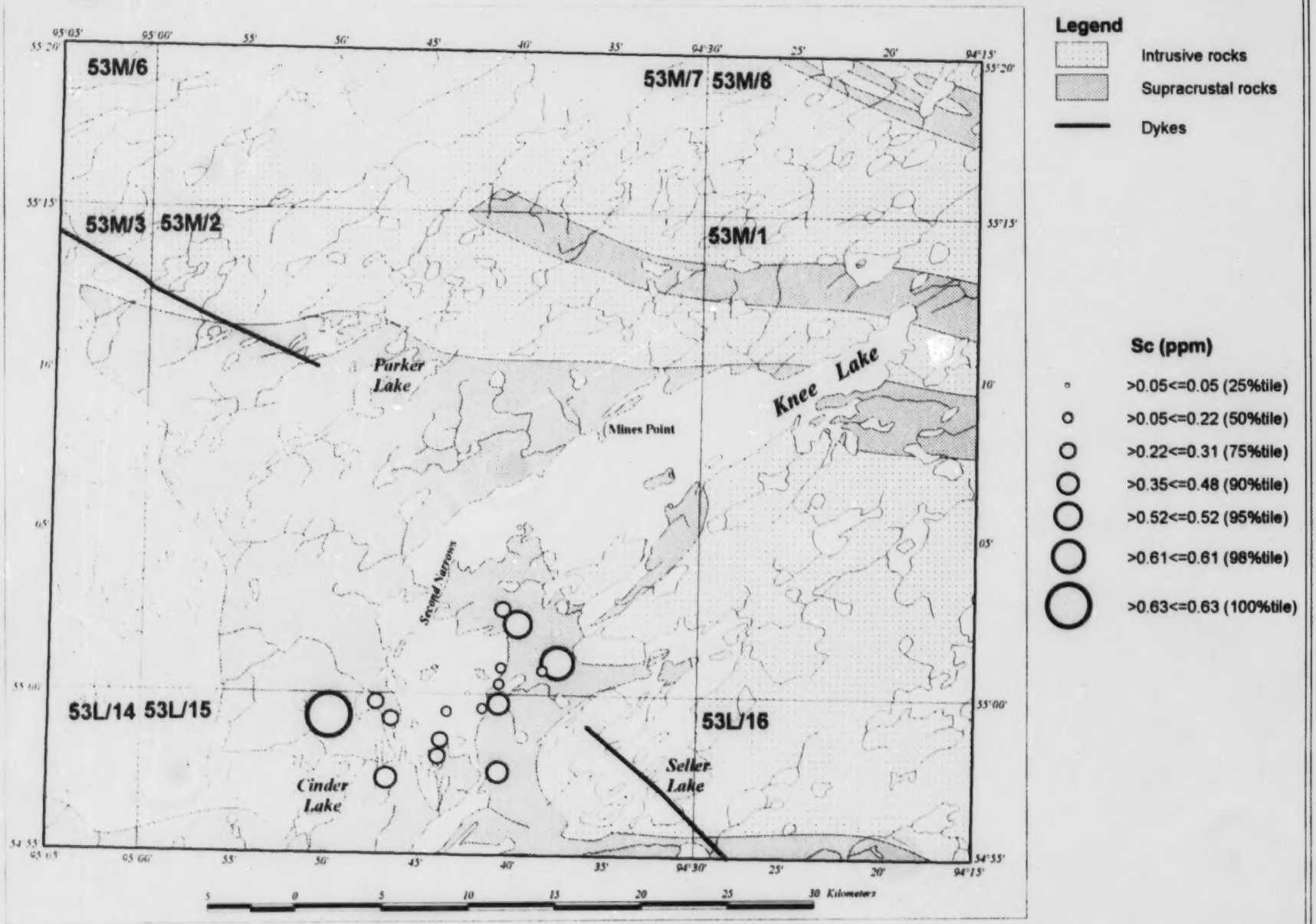
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

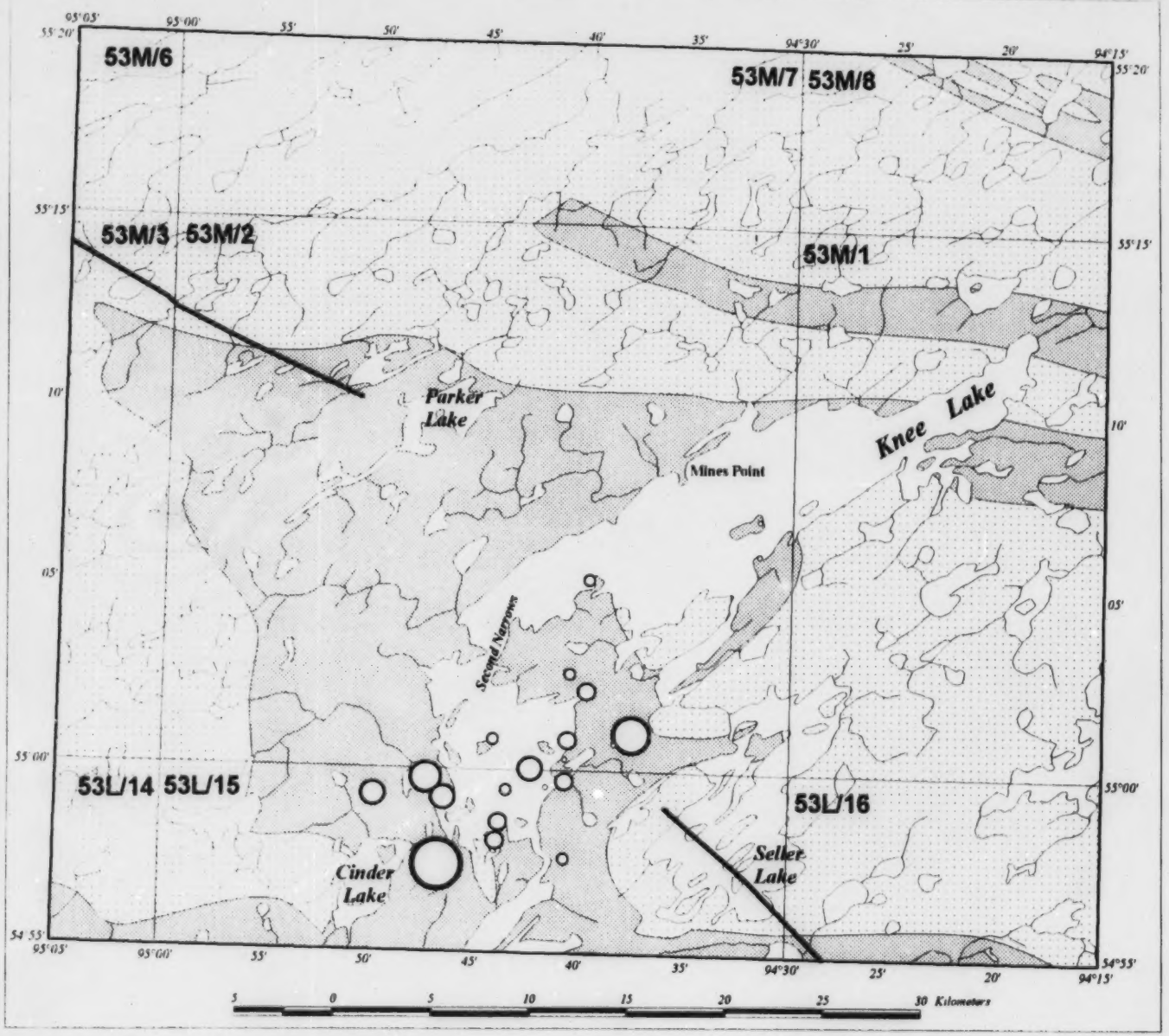
Ca (wt. %)

- >18.4<=18.8 (25%tile)
- >18.9<=20.7 (50%tile)
- >22.5<=23.2 (75%tile)
- >24.1<=24.7 (90%tile)
- >24.9<=24.9 (98%tile)
- >25.0<=25.0 (100%tile)

Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



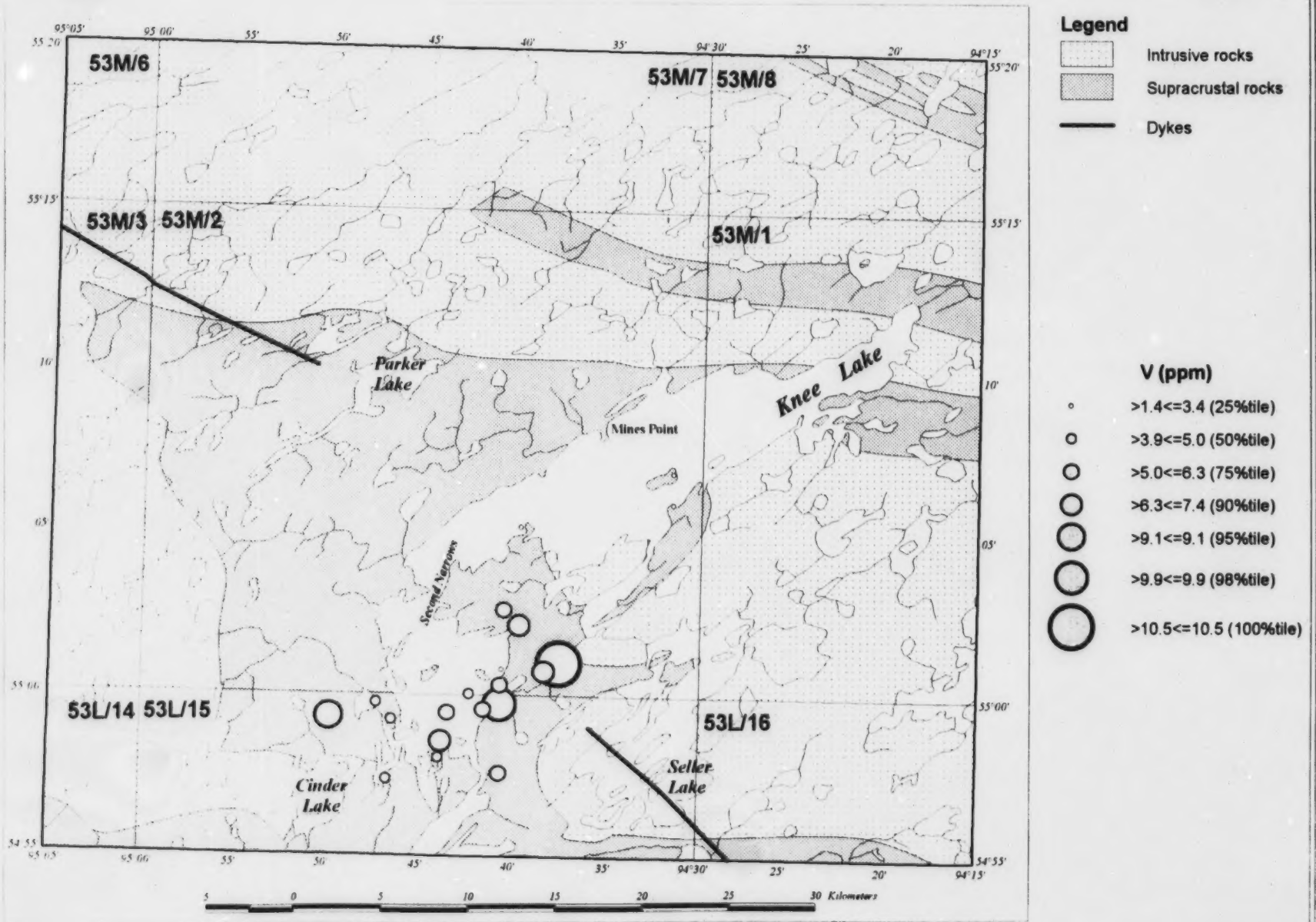
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

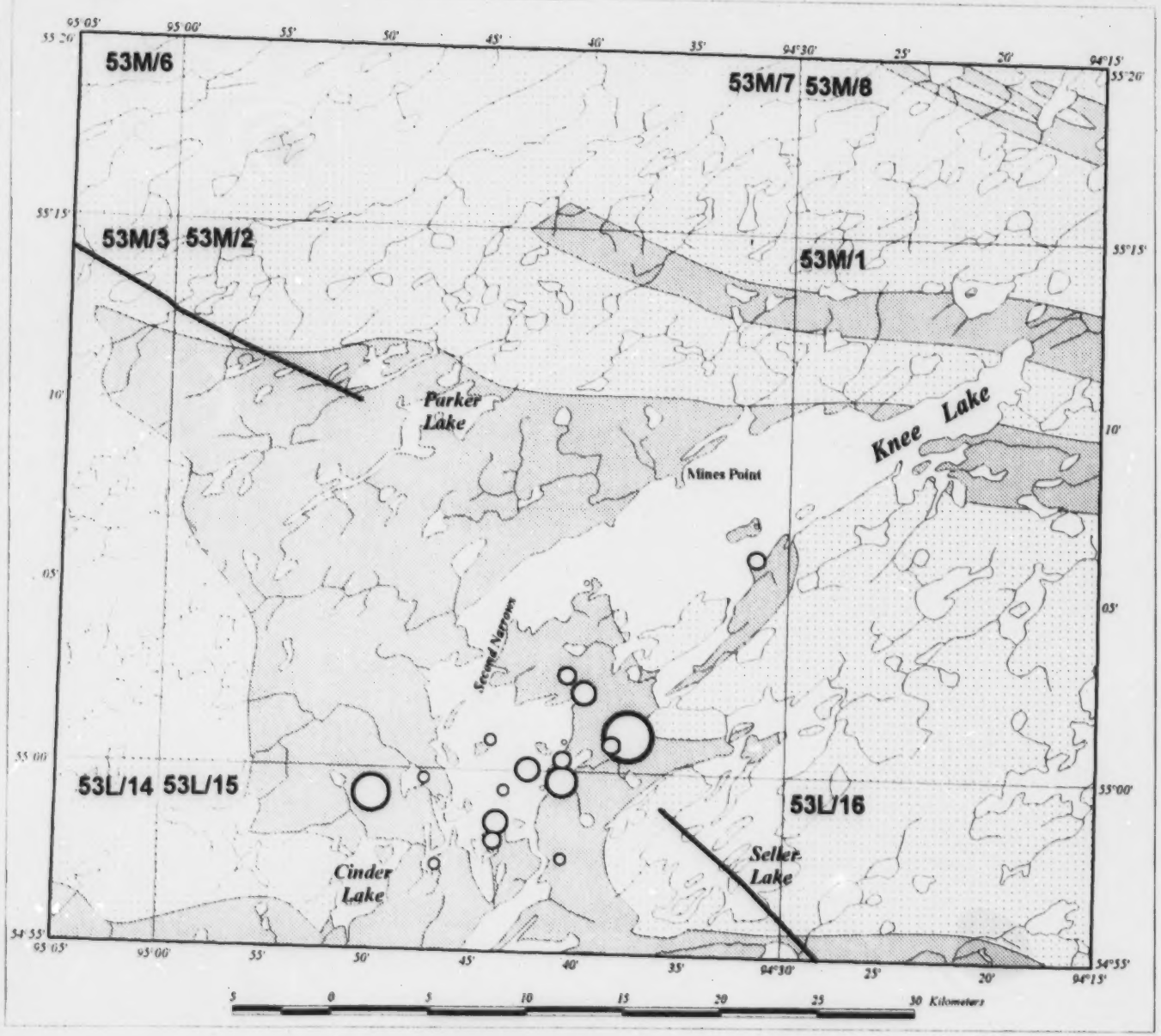
Ti (ppm)

- >116<=130 (25%tile)
- >130<=140 (50%tile)
- >141<=149 (75%tile)
- >150<=169 (90%tile)
- >187<=187 (95%tile)
- >193<=193 (98%tile)
- >199<=199 (100%tile)

Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



Legend

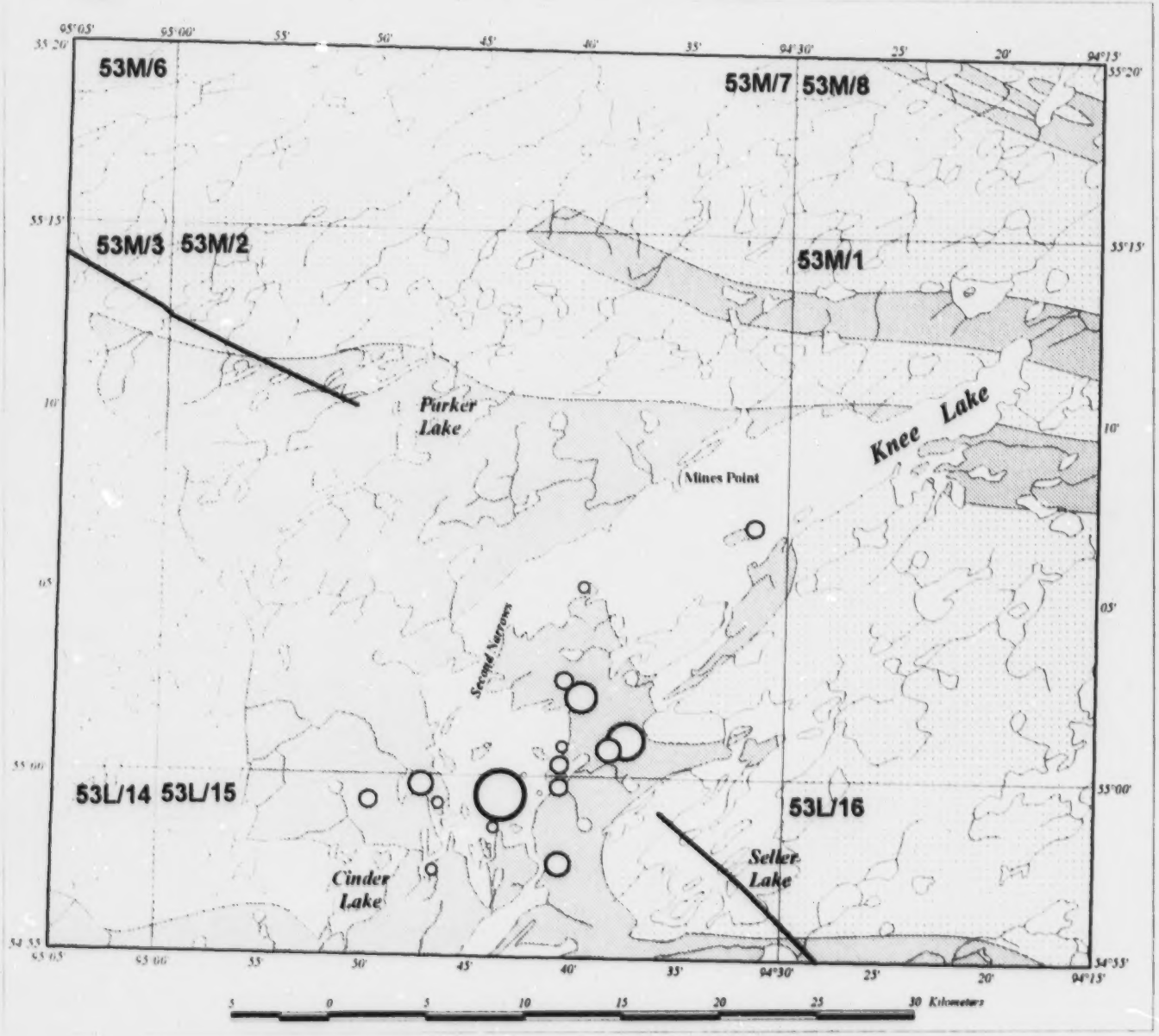
- Intrusive rocks
- Supracrustal rocks
- Dykes

Cr (ppm)

- >1.6<=3.2 (25%tile)
- >3.3<=3.5 (50%tile)
- >3.6<=4.4 (75%tile)
- >4.5<=4.9 (90%tile)
- >5.4<=5.4 (95%tile)
- >5.5<=5.5 (98%tile)
- >5.9<=5.9 (100%tile)

Black Spruce Crown Twigs - 21 samples Ash /ICP-MS

Appendix V-8-13



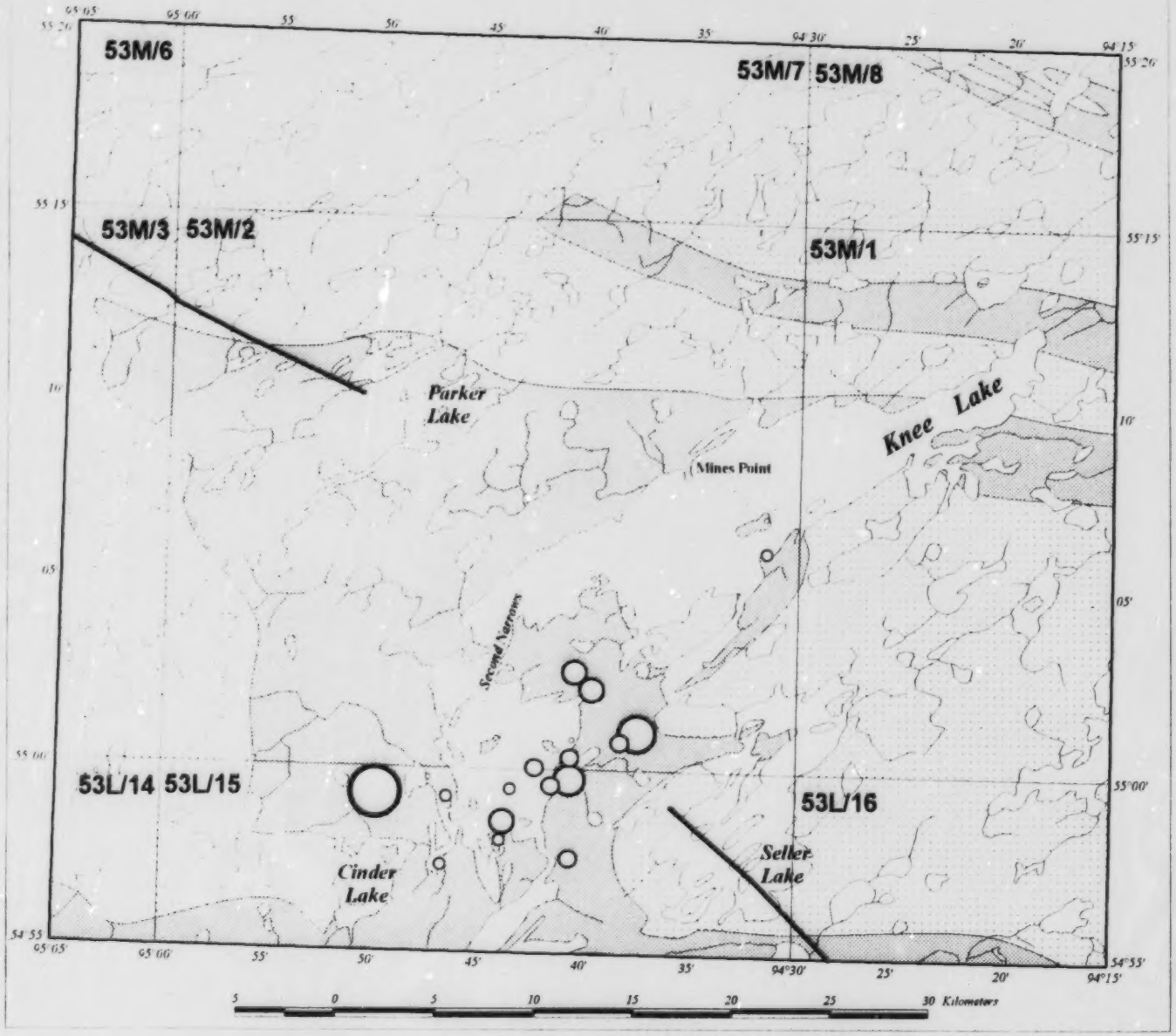
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Mn (ppm)

- >5850<=9000 (25%tile)
- >9750<=12300 (50%tile)
- >12500<=14500 (75%tile)
- >15100<=18600 (90%tile)
- >20200<=20200 (95%tile)
- >26100<=26100 (98%tile)
- >28900<=28900 (100%tile)

Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



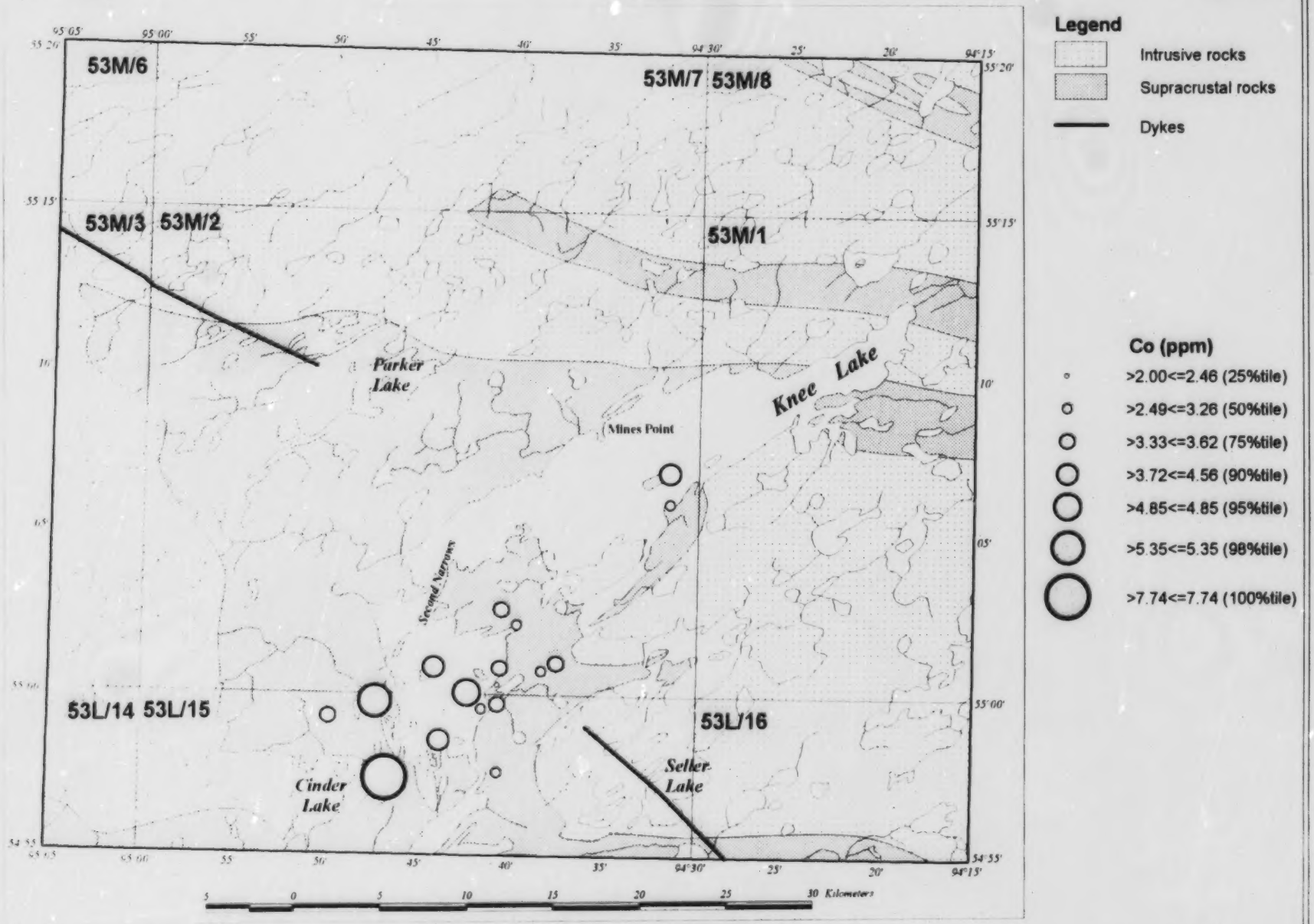
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Fe (wt. %)

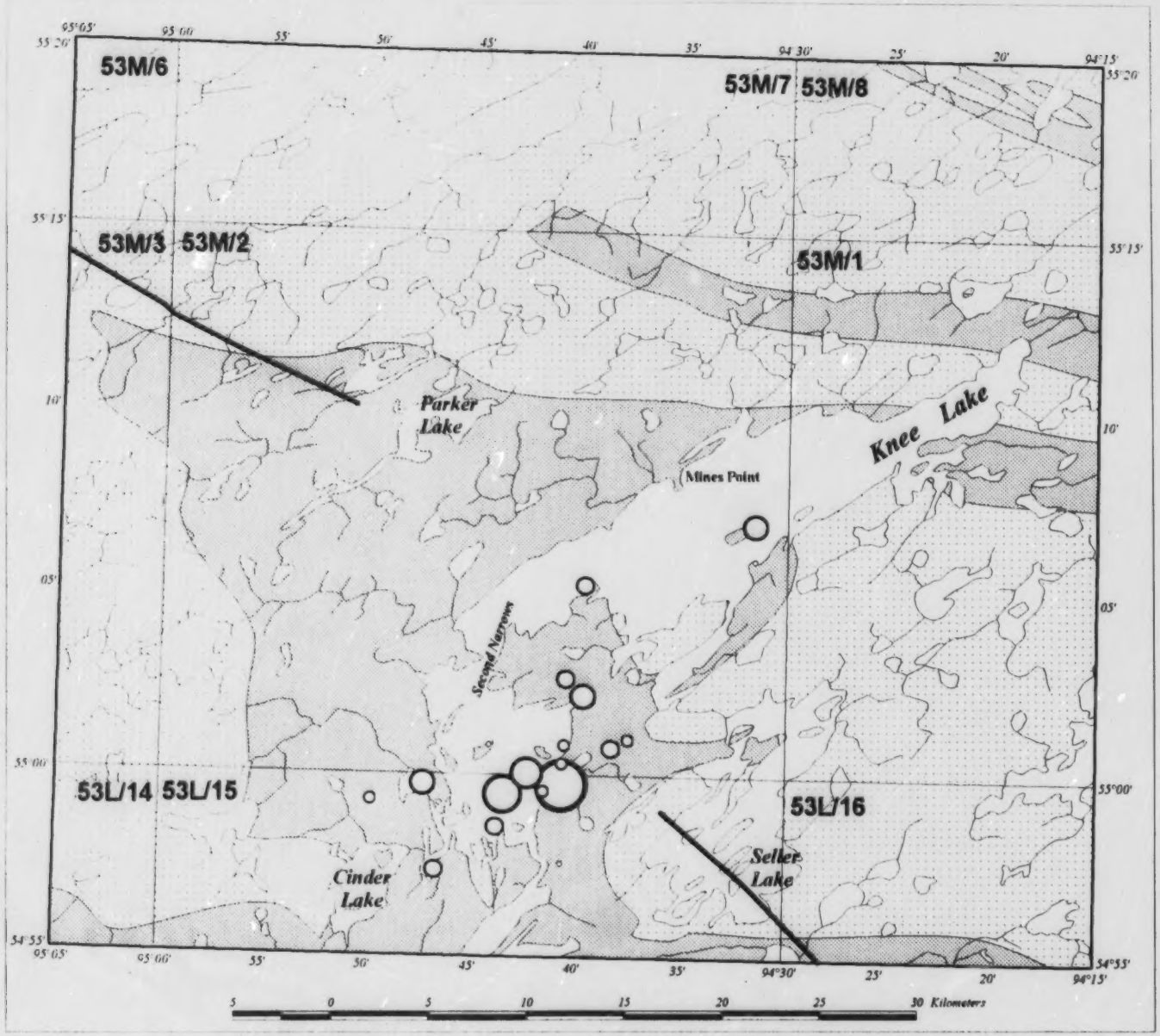
- >0.21<=0.30 (25%tile)
- >0.30<=0.34 (50%tile)
- >0.35<=0.38 (75%tile)
- >0.38<=0.42 (90%tile)
- >0.46<=0.46 (95%tile)
- >0.49<=0.49 (98%tile)
- >0.49<=0.49 (100%tile)

Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



Black Spruce Crown Twigs - 21 samples Ash /ICP-MS

Appendix V-8-16



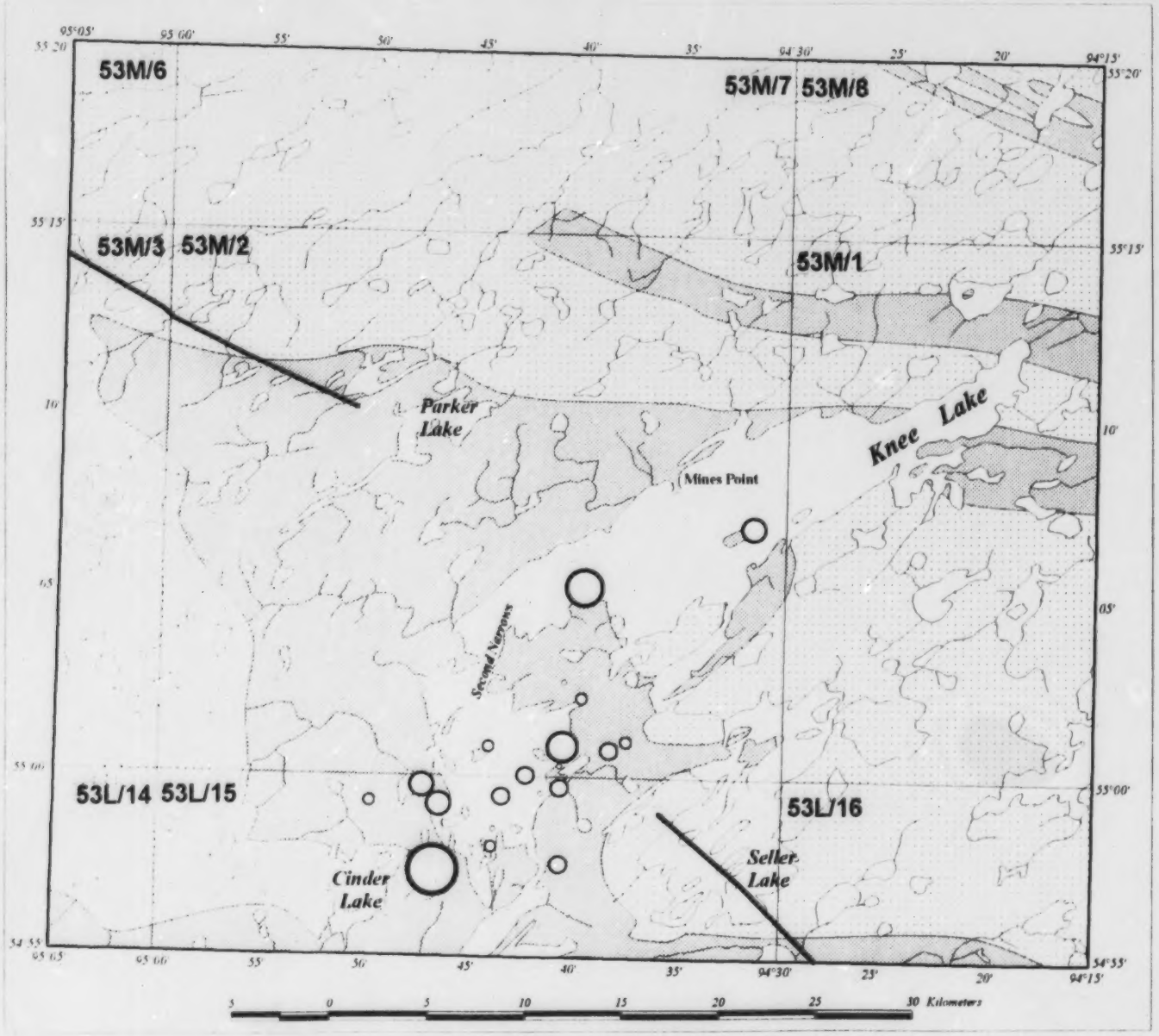
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Ni (ppm)

- >29.1<=52.6 (25%tile)
- >55.2<=62.0 (50%tile)
- >62.4<=78.6 (75%tile)
- >78.8<=92.6 (90%tile)
- >92.8<=92.8 (95%tile)
- >93.7<=93.7 (98%tile)
- >97.5<=97.5 (100%tile)

Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



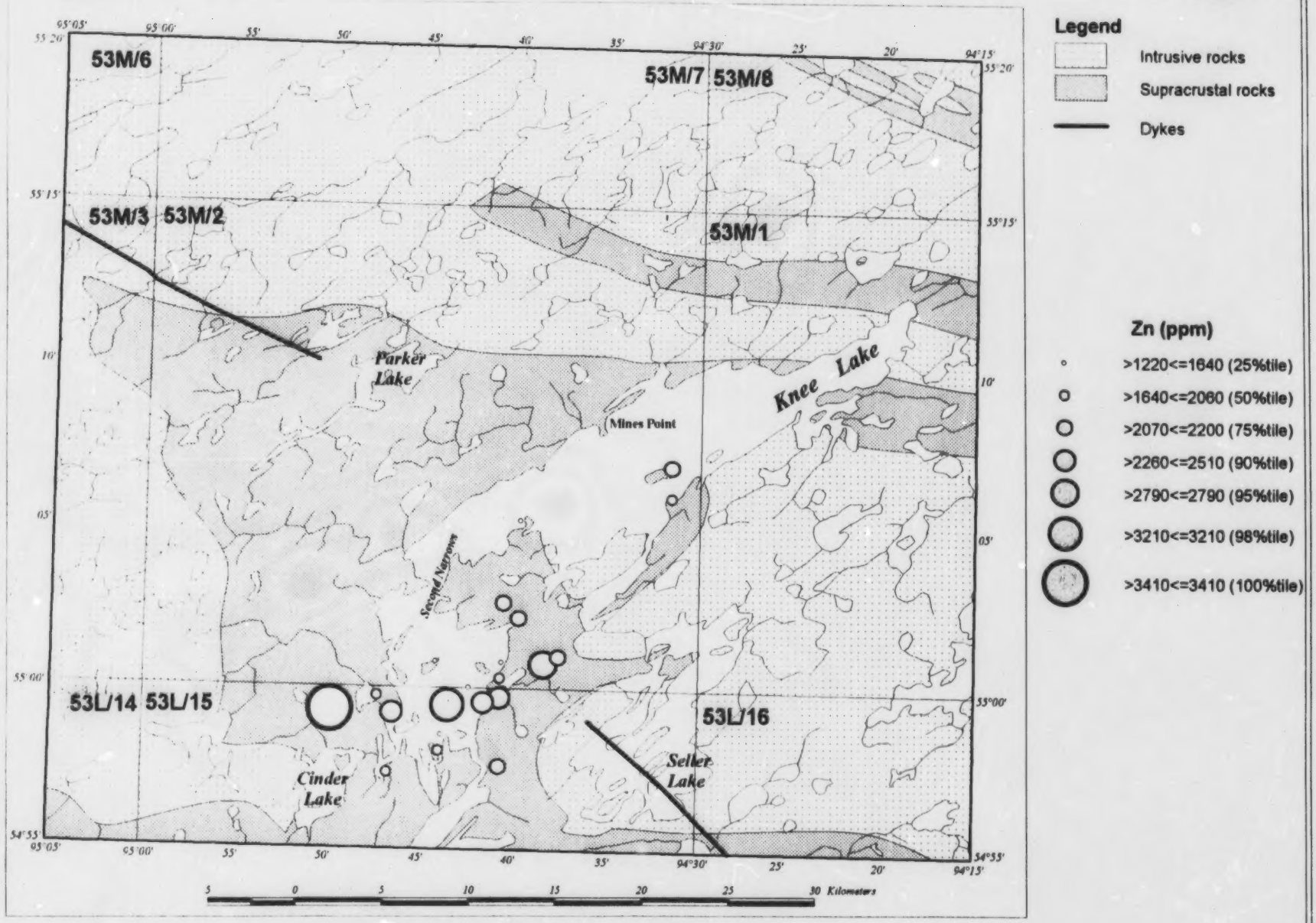
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

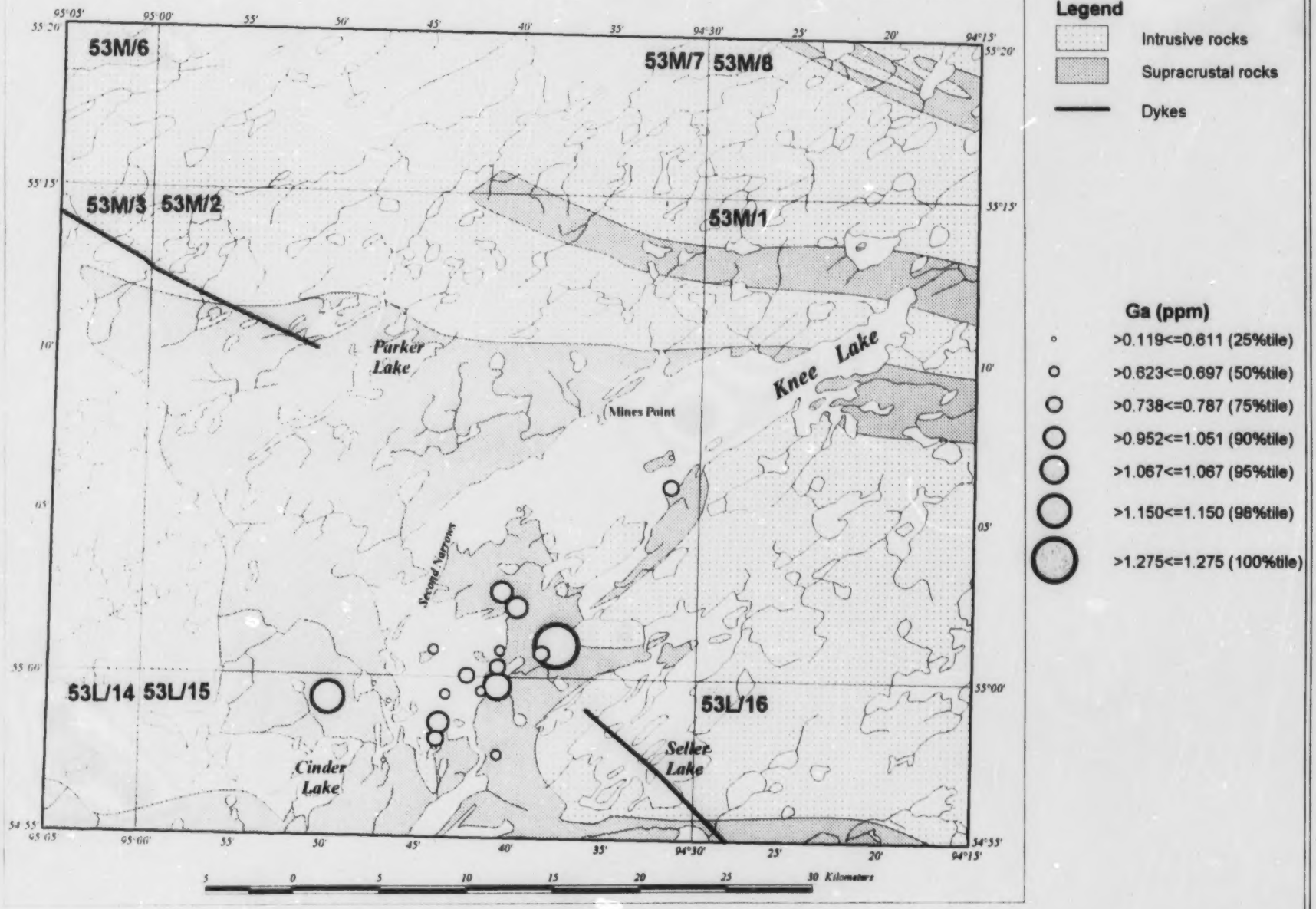
Cu (ppm)

- >148<=162 (25%tile)
- >169<=186 (50%tile)
- >209<=240 (75%tile)
- >268<=272 (90%tile)
- >277<=277 (95%tile)
- >294<=294 (98%tile)
- >304<=304 (100%tile)

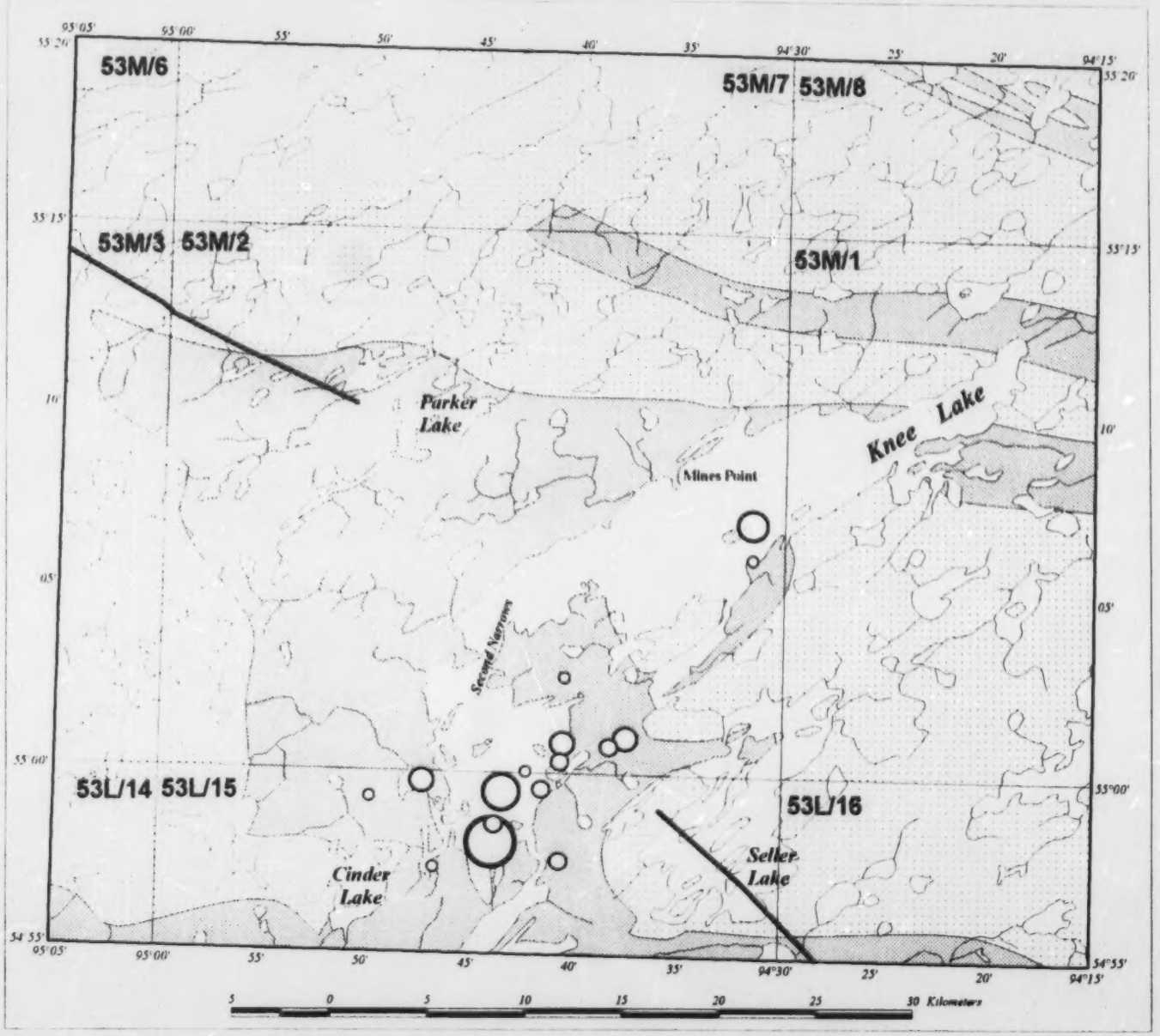
Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



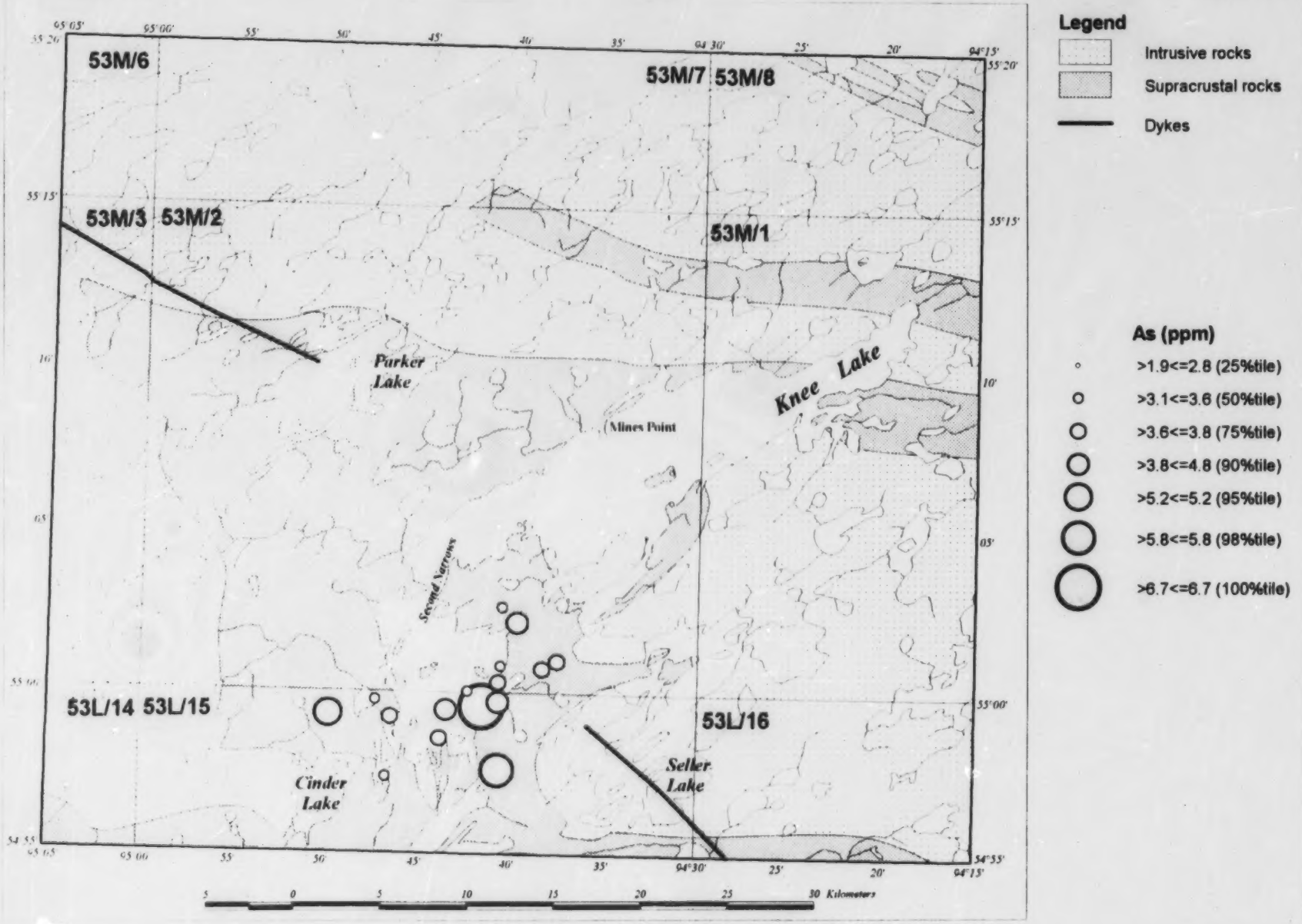
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

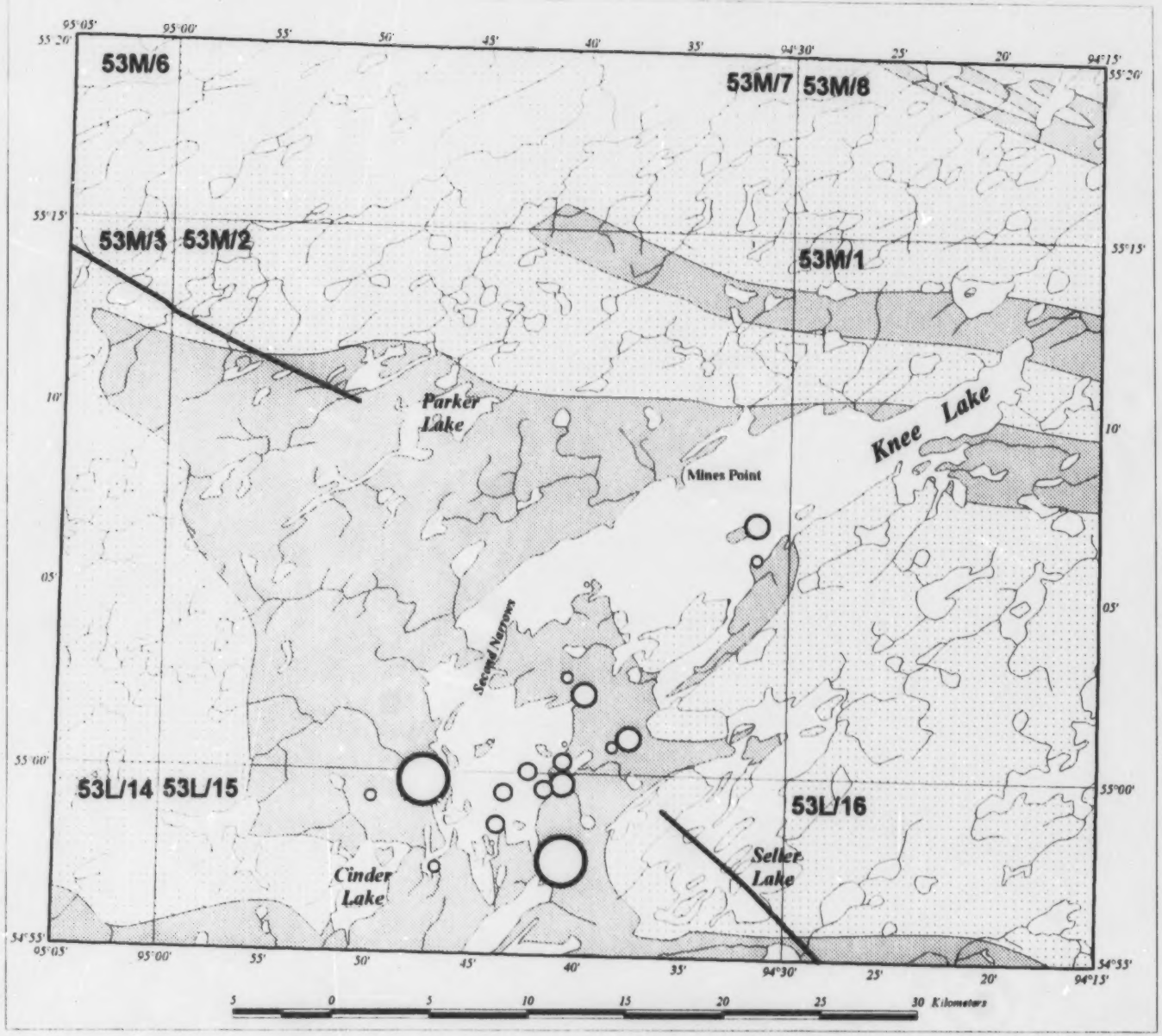
Ge (ppm)

- >0.100<=0.112 (25%tile)
- >0.115<=0.122 (50%tile)
- >0.122<=0.134 (75%tile)
- >0.139<=0.149 (90%tile)
- >0.152<=0.152 (95%tile)
- >0.152<=0.152 (98%tile)
- >0.158<=0.158 (100%tile)

Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



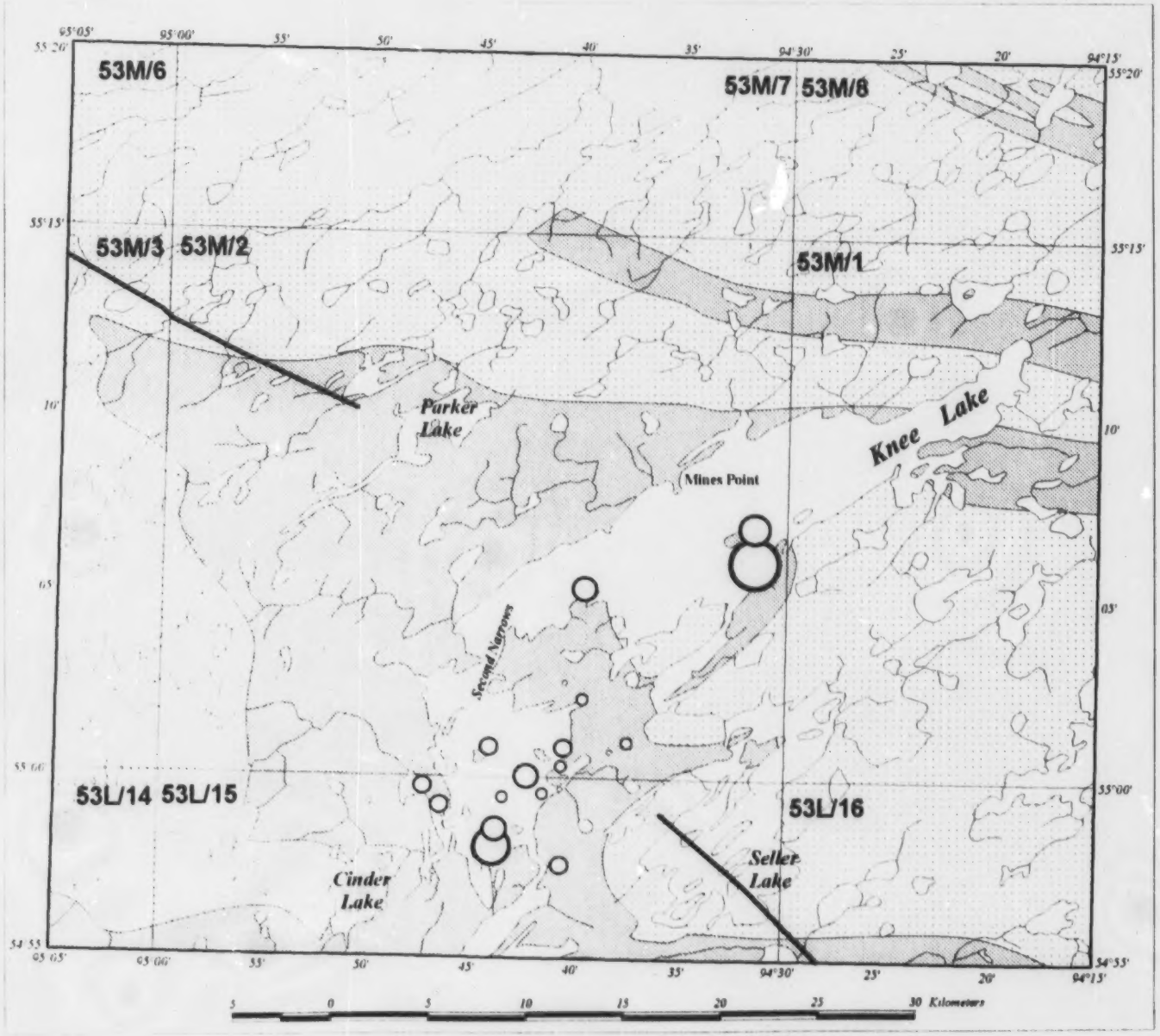
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Se (ppm)

- >0.6<=0.7 (25%tile)
- >0.7<=0.9 (50%tile)
- >1.0<=1.1 (75%tile)
- >1.2<=1.2 (95%tile)
- >1.3<=1.3 (100%tile)

Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



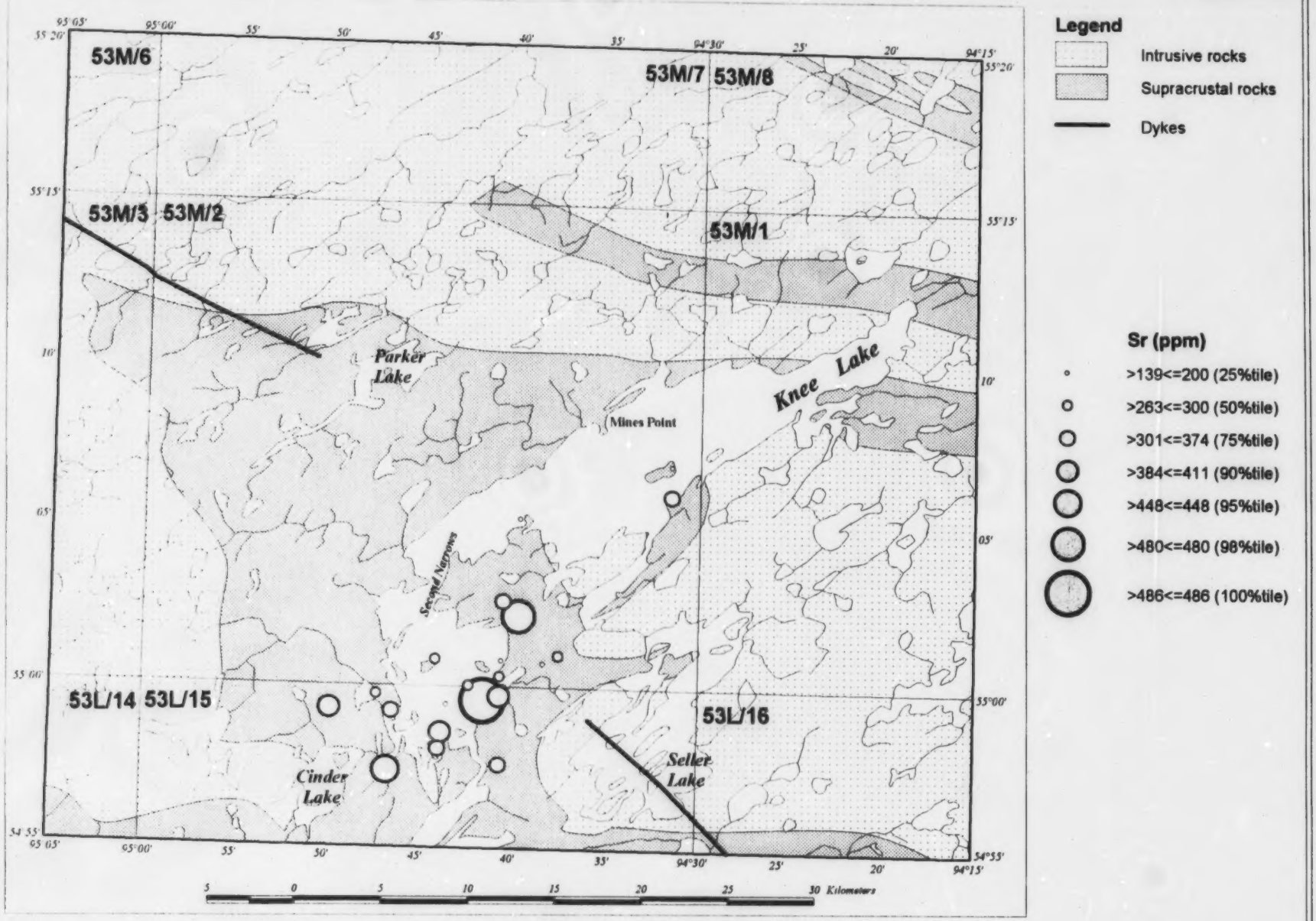
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

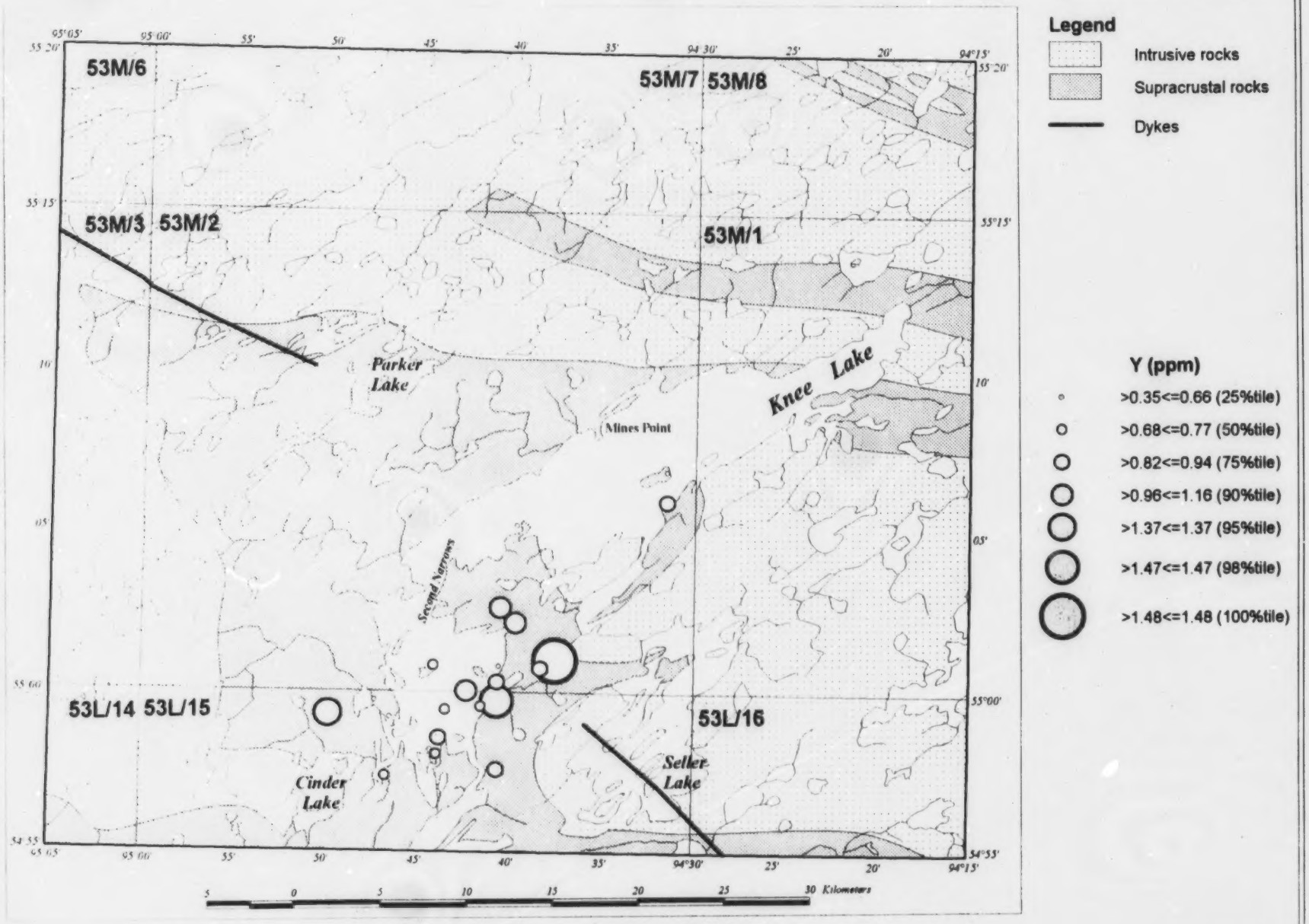
Rb (ppm)

- >124<=171 (25%tile)
- >174<=309 (50%tile)
- >317<=443 (75%tile)
- >486<=541 (90%tile)
- >553<=553 (95%tile)
- >622<=622 (98%tile)
- >735<=735 (100%tile)

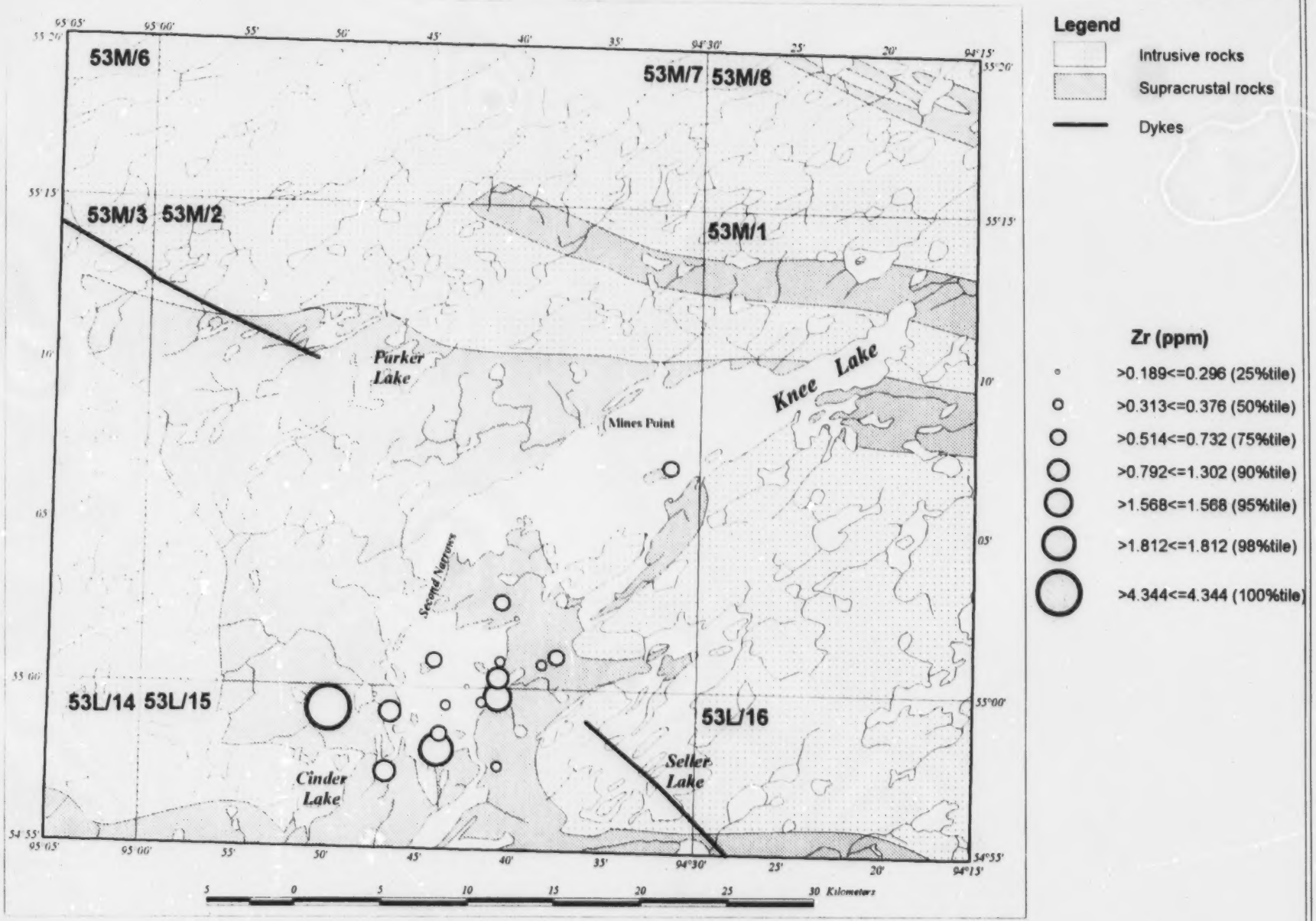
Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



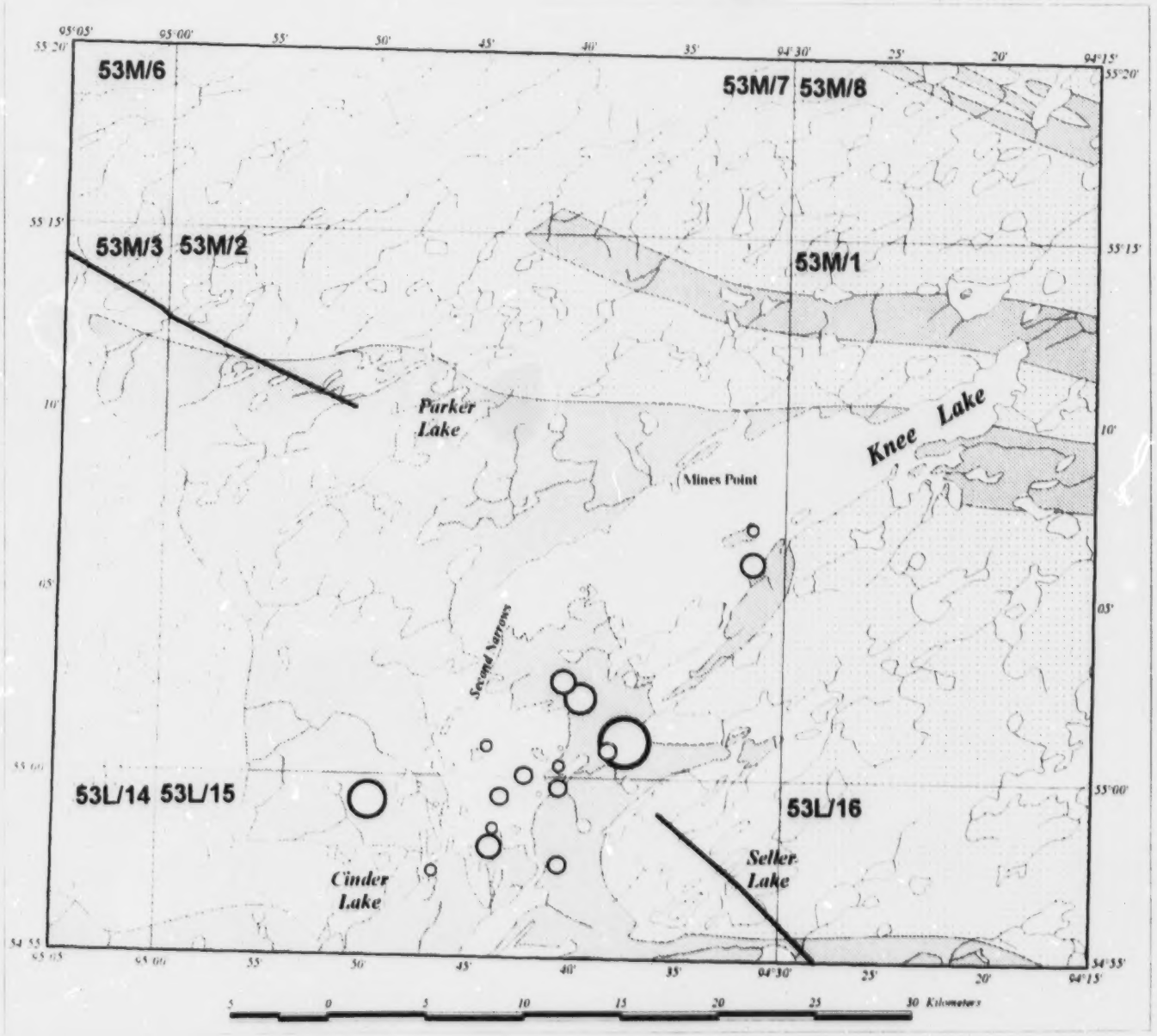
Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



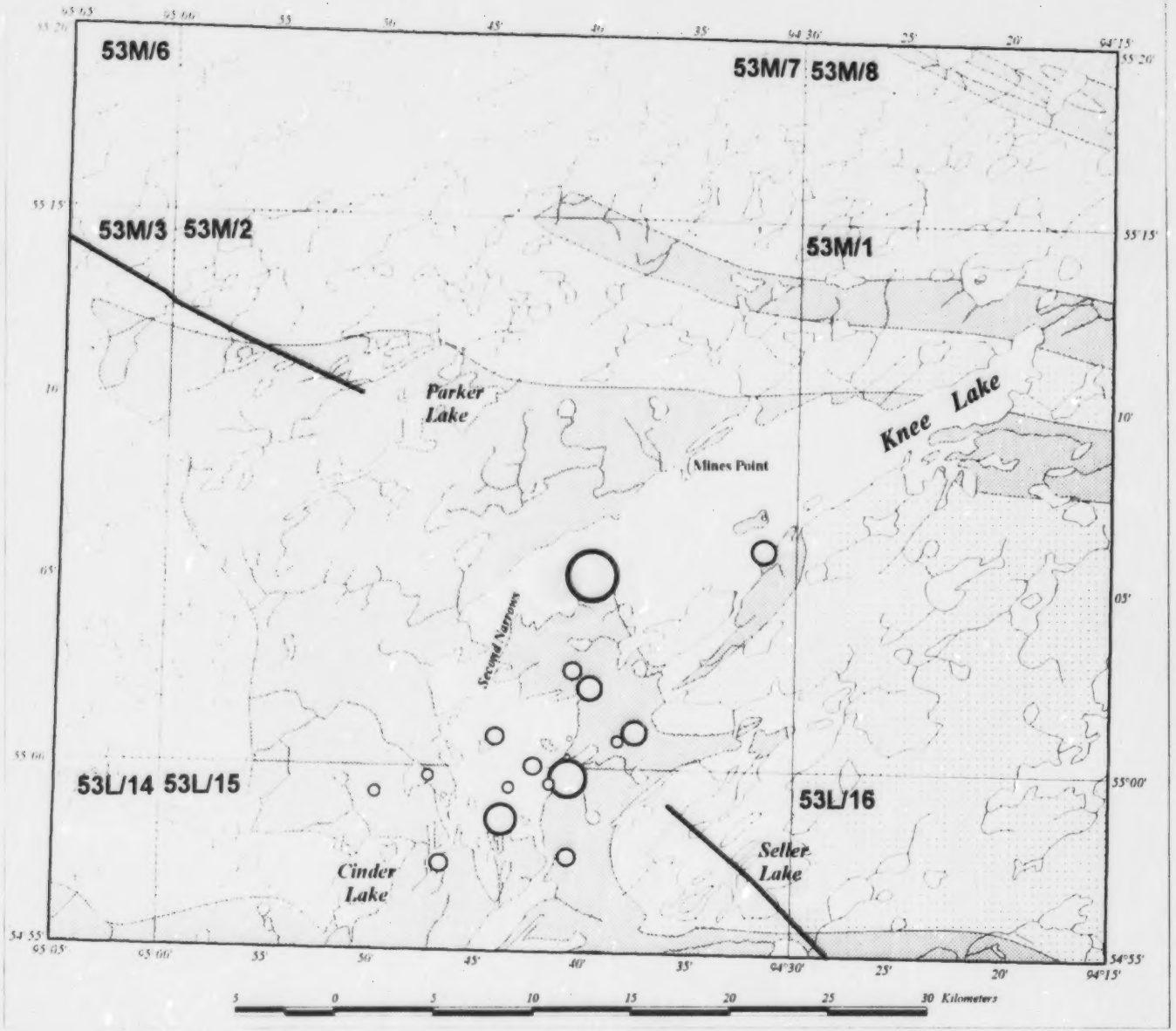
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Nb (ppm)

- >0.081<=0.107 (25%tile)
- >0.110<=0.123 (50%tile)
- >0.128<=0.136 (75%tile)
- >0.158<=0.173 (90%tile)
- >0.174<=0.174 (95%tile)
- >0.176<=0.176 (98%tile)
- >0.236<=0.236 (100%tile)

Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



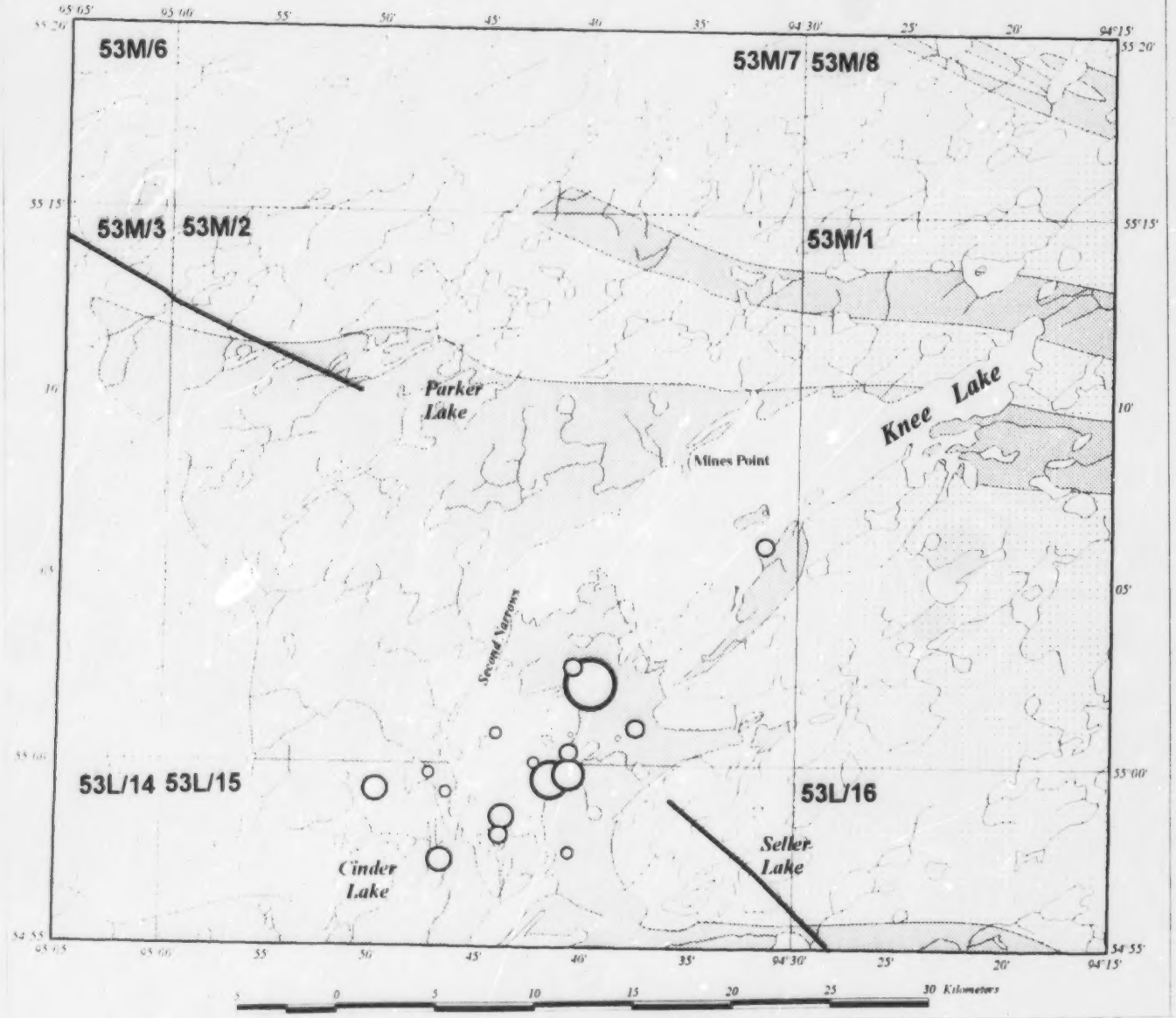
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Mo (ppm)

- >0.56<=0.65 (25%tile)
- >0.76<=0.84 (50%tile)
- >0.87<=0.94 (75%tile)
- >0.95<=1.04 (90%tile)
- >1.09<=1.09 (95%tile)
- >1.18<=1.18 (98%tile)
- >1.26<=1.26 (100%tile)

Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



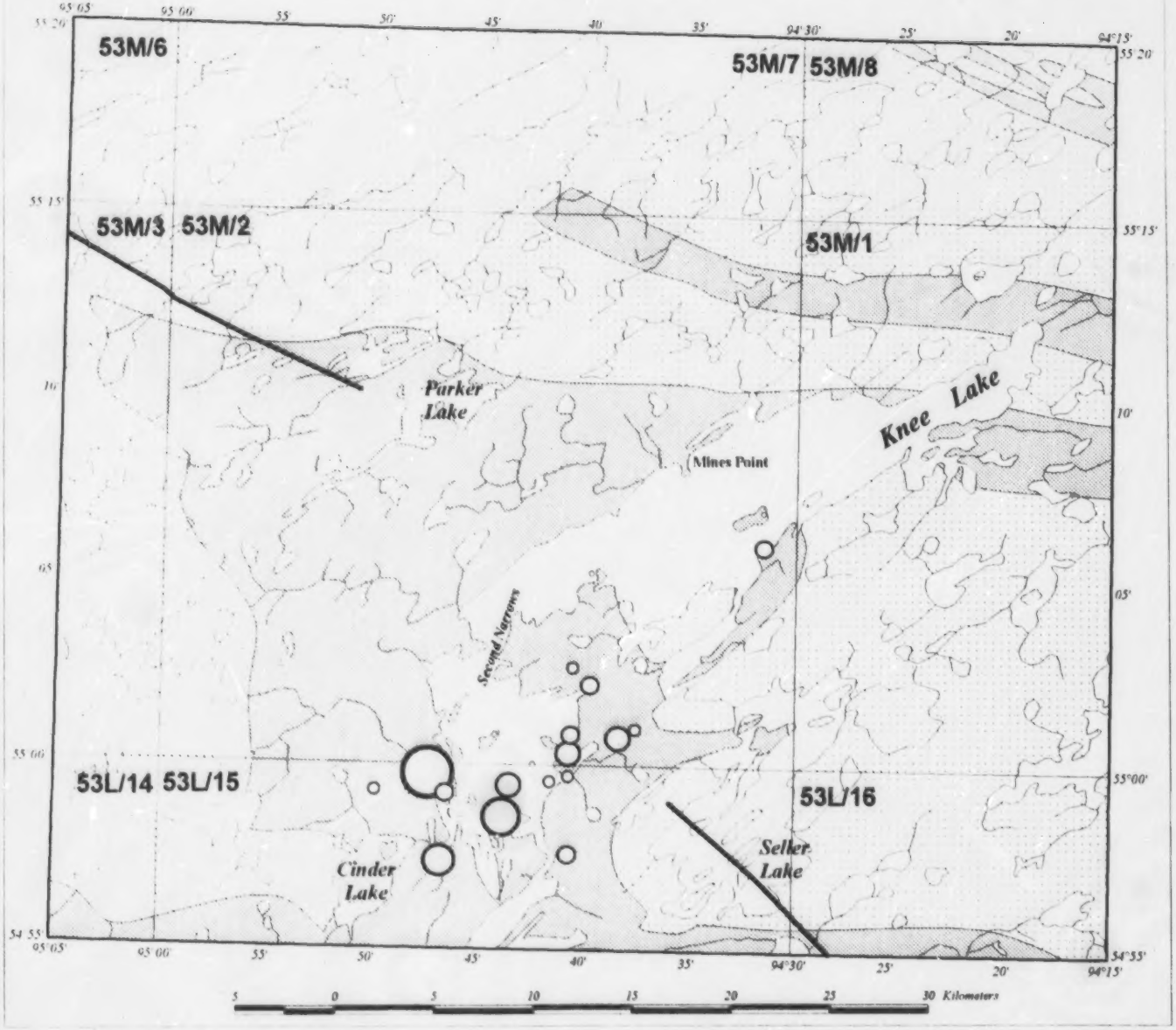
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

Pd (ppb)

- >13<=18 (25%tile)
- >20<=24 (50%tile)
- >26<=27 (75%tile)
- >28<=31 (90%tile)
- >35<=35 (95%tile)
- >39<=39 (98%tile)
- >43<=43 (100%tile)

Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



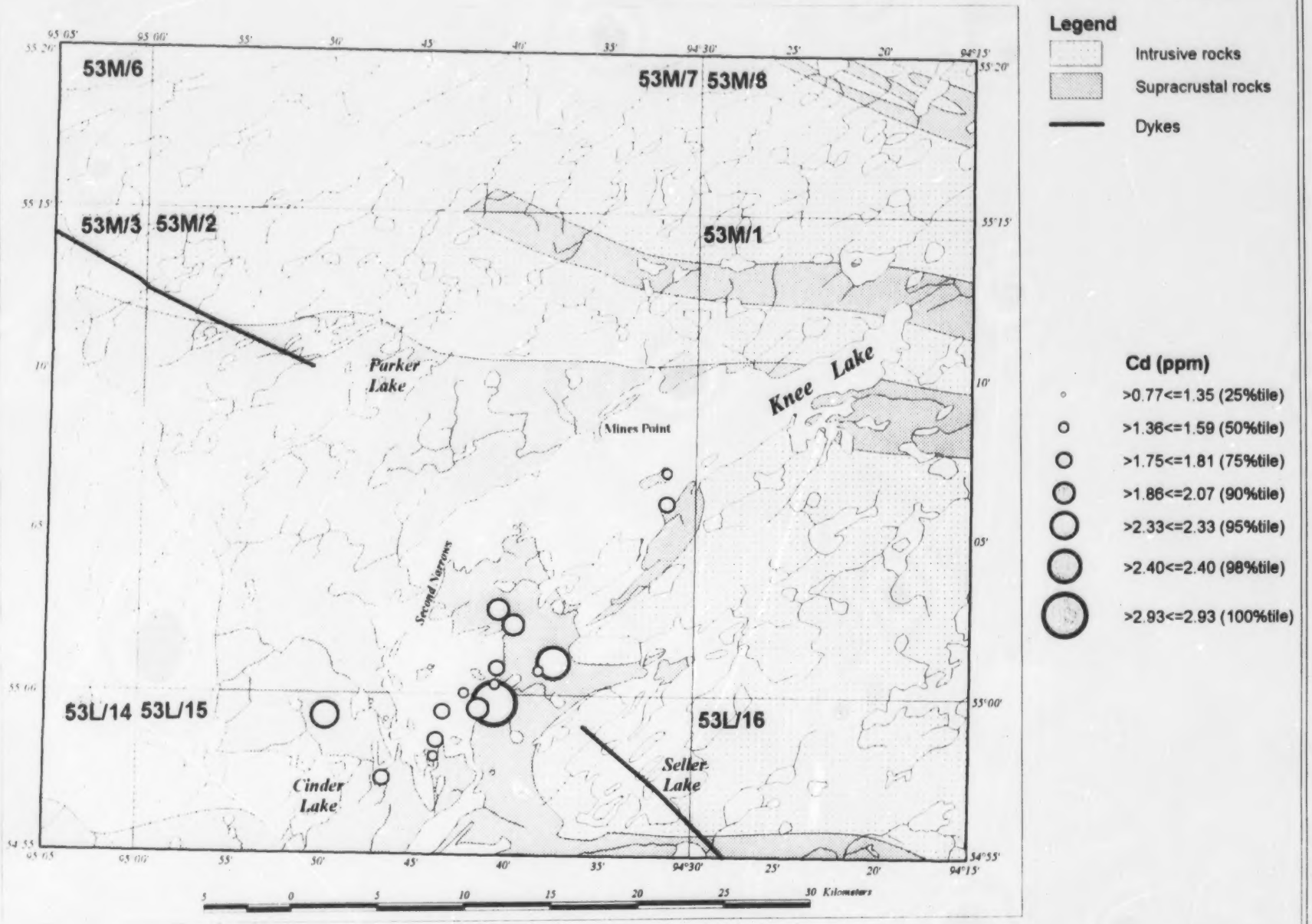
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

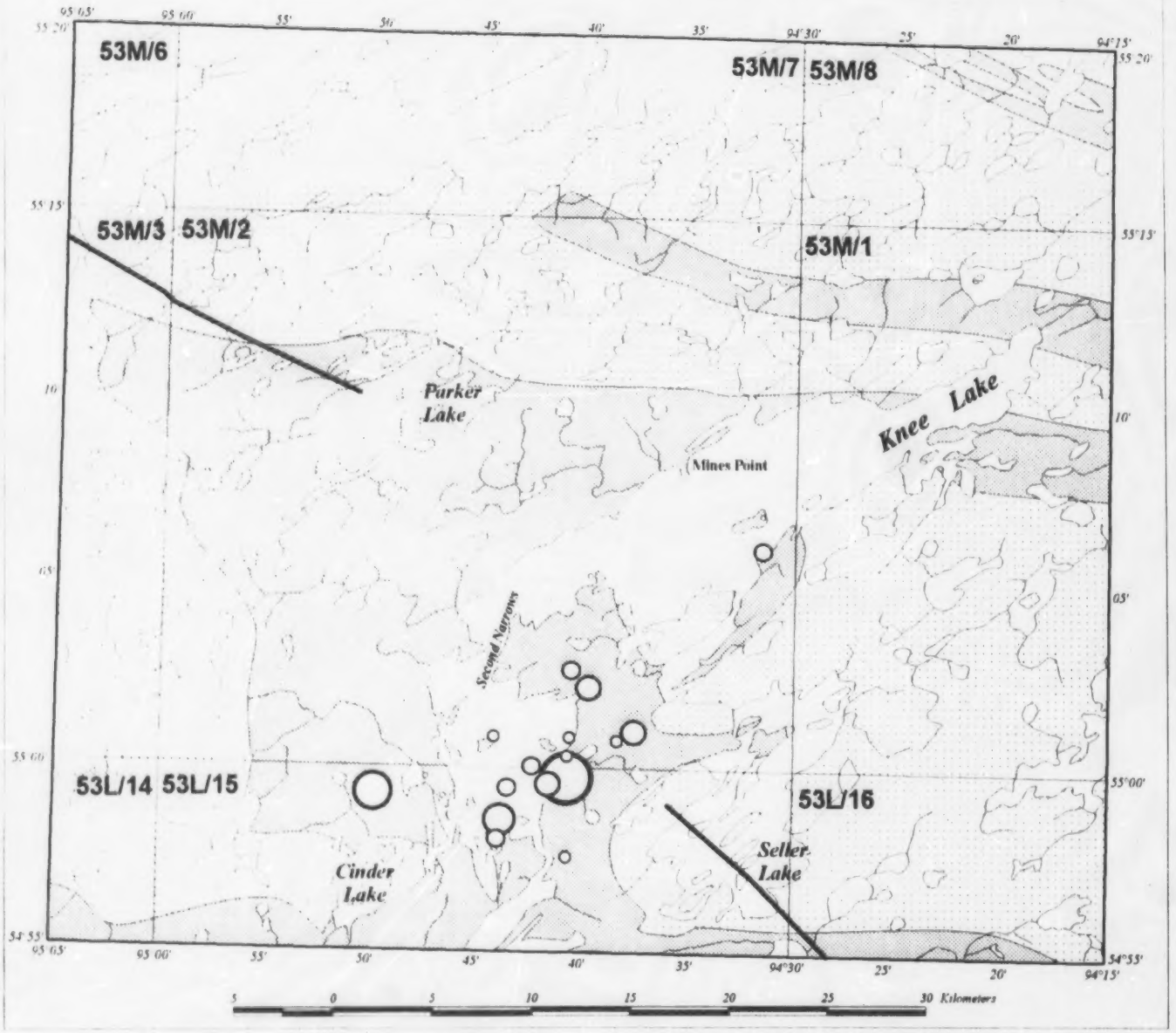
Ag (ppm)

- >0.54<=0.66 (25%tile)
- >0.67<=0.84 (50%tile)
- >0.86<=0.97 (75%tile)
- >1.04<=1.12 (90%tile)
- >1.13<=1.13 (95%tile)
- >1.14<=1.14 (98%tile)
- >3.67<=3.67 (100%tile)

Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



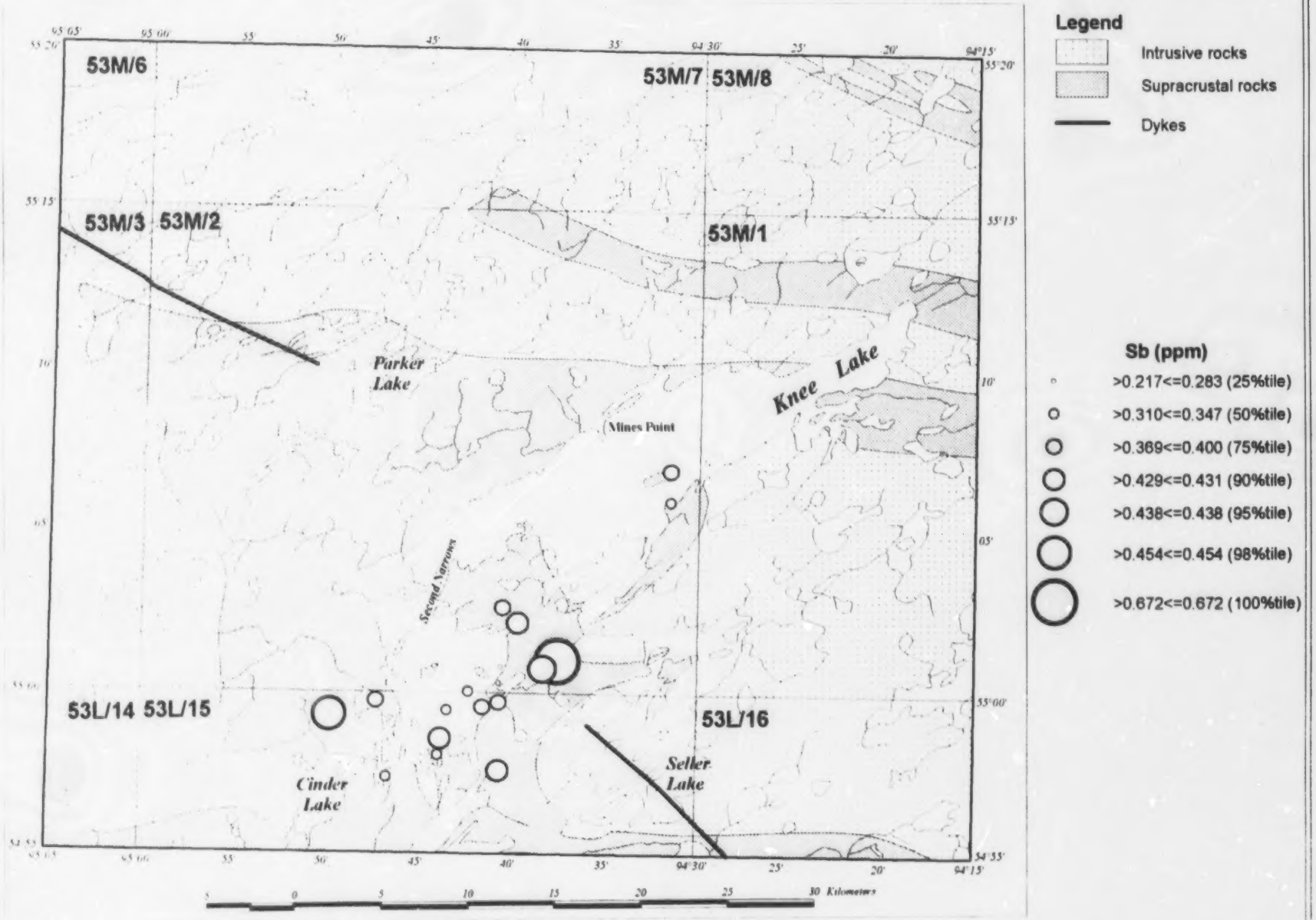
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

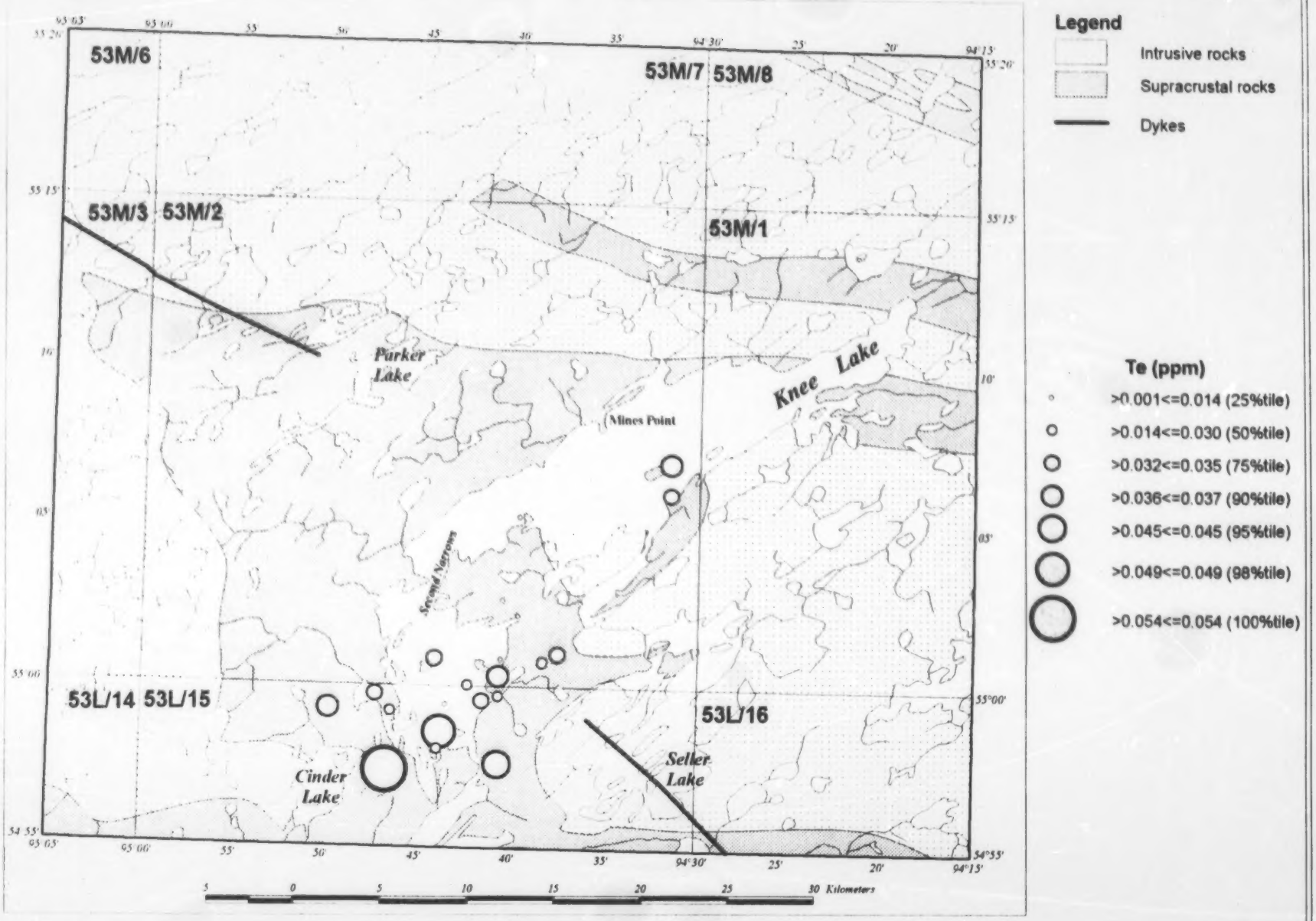
ln (ppb)

- >8.4<=11.8 (25%tile)
- >11.9<=13.8 (50%tile)
- >14.9<=15.6 (75%tile)
- >18.3<=20.4 (90%tile)
- >22.0<=22.0 (95%tile)
- >22.7<=22.7 (98%tile)
- >24.4<=24.4 (100%tile)

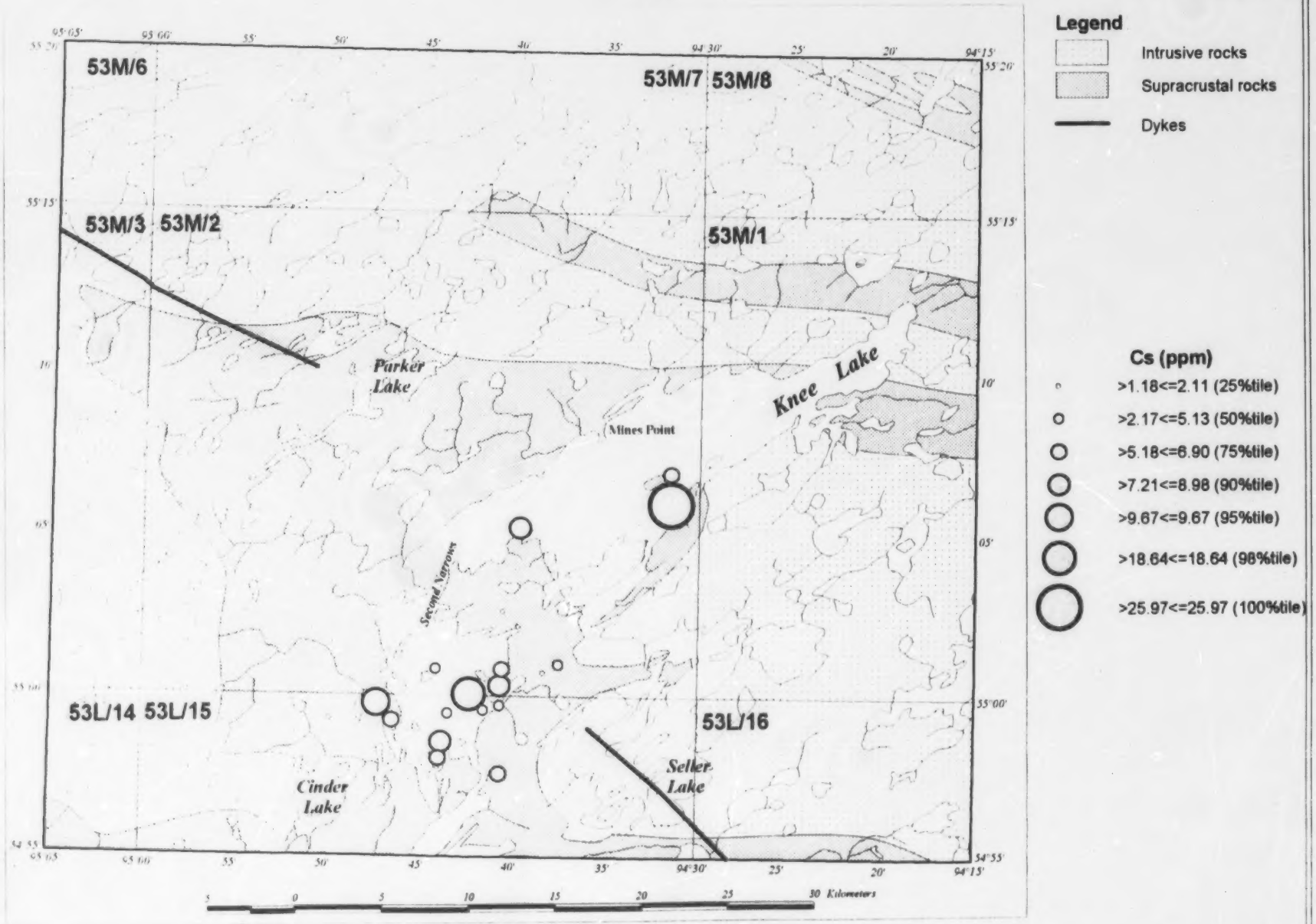
Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



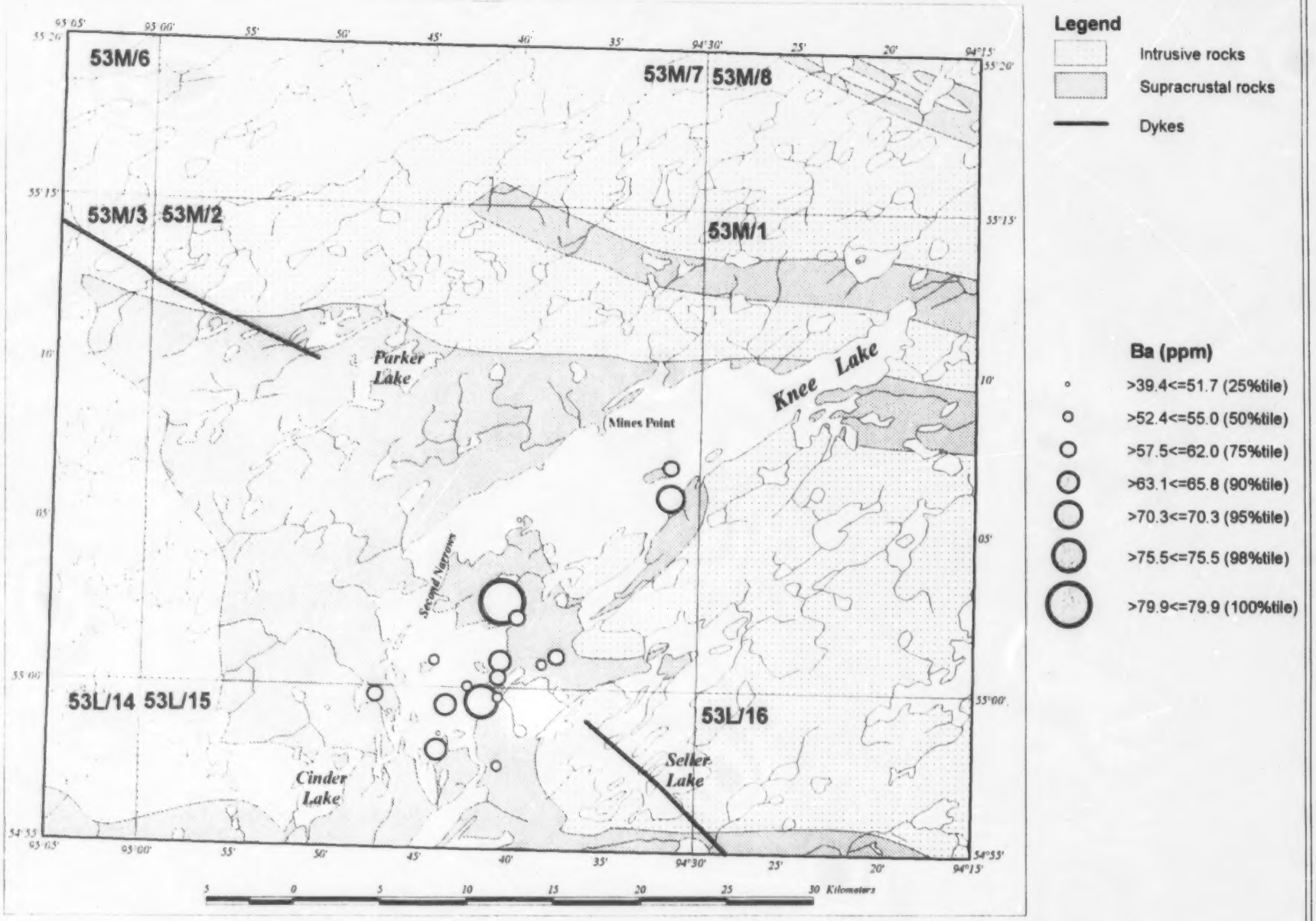
Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



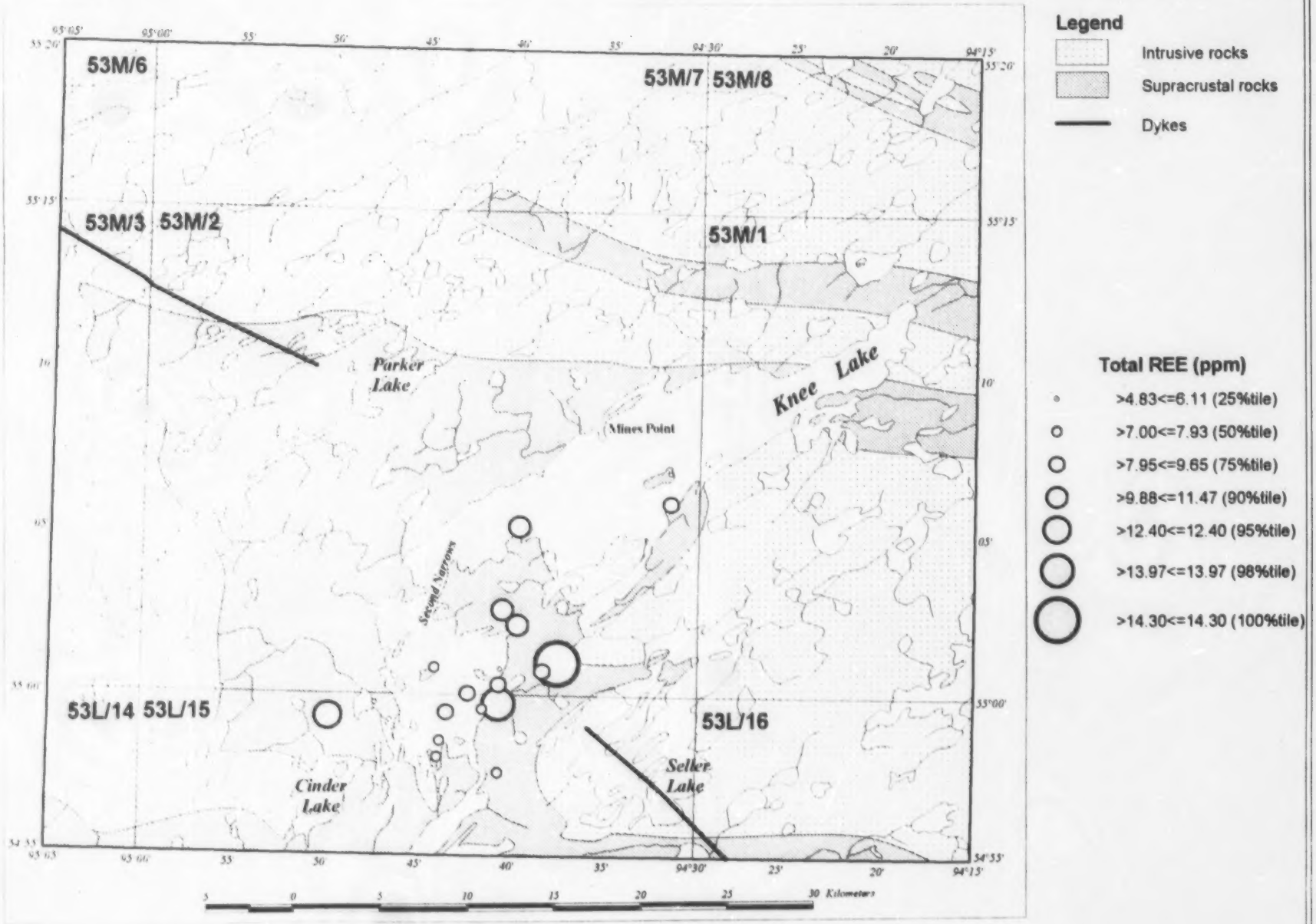
Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



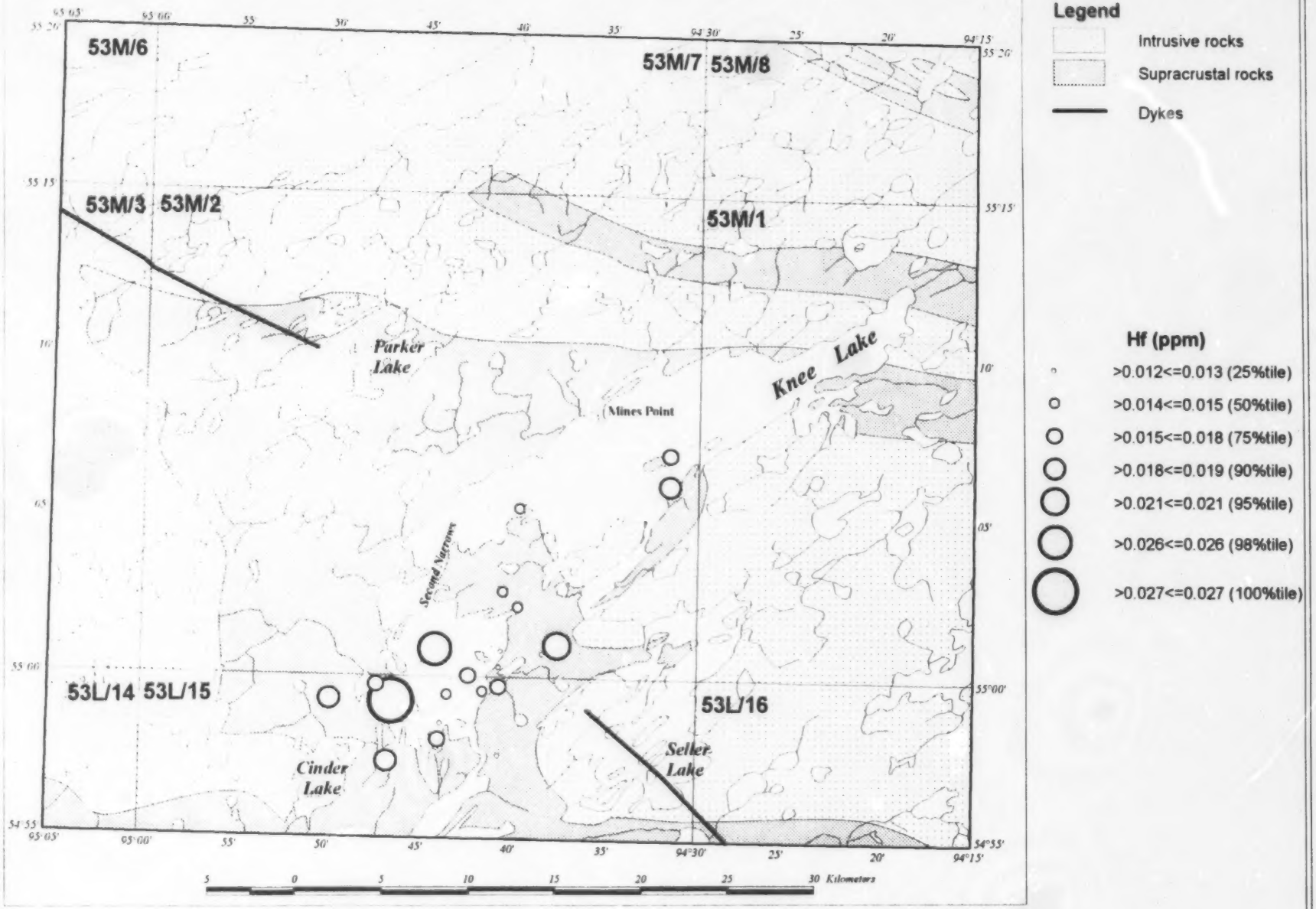
Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



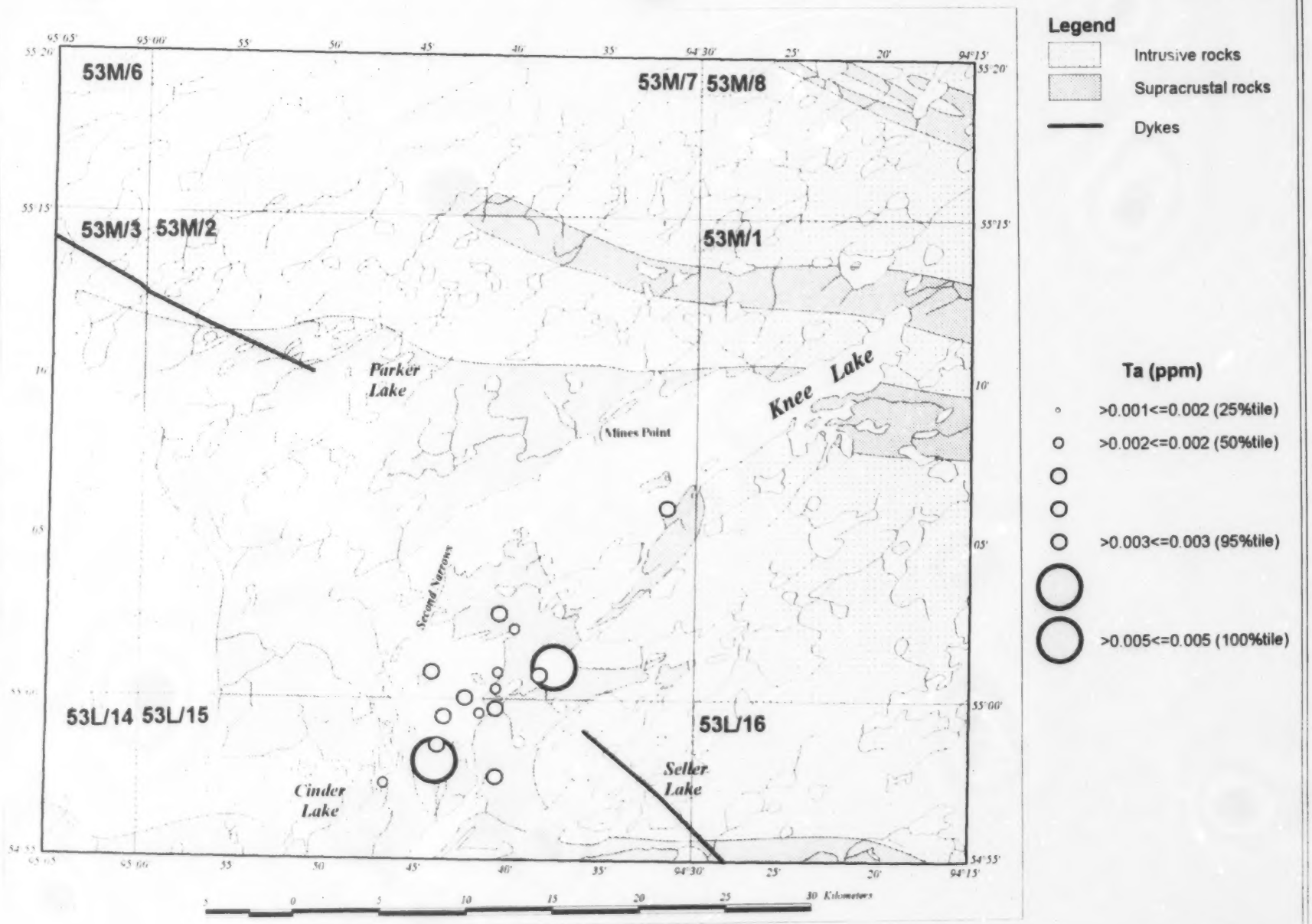
Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



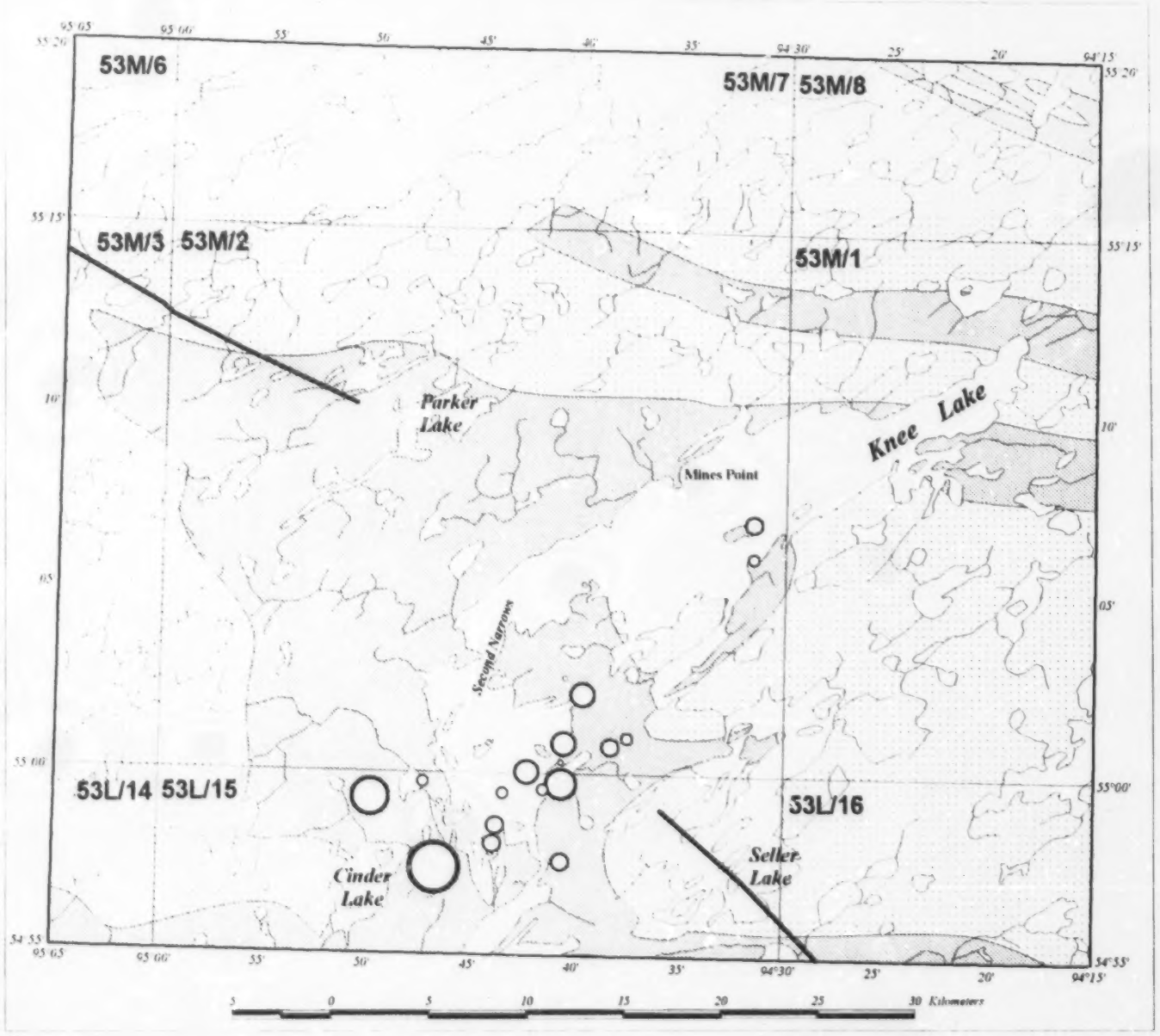
Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



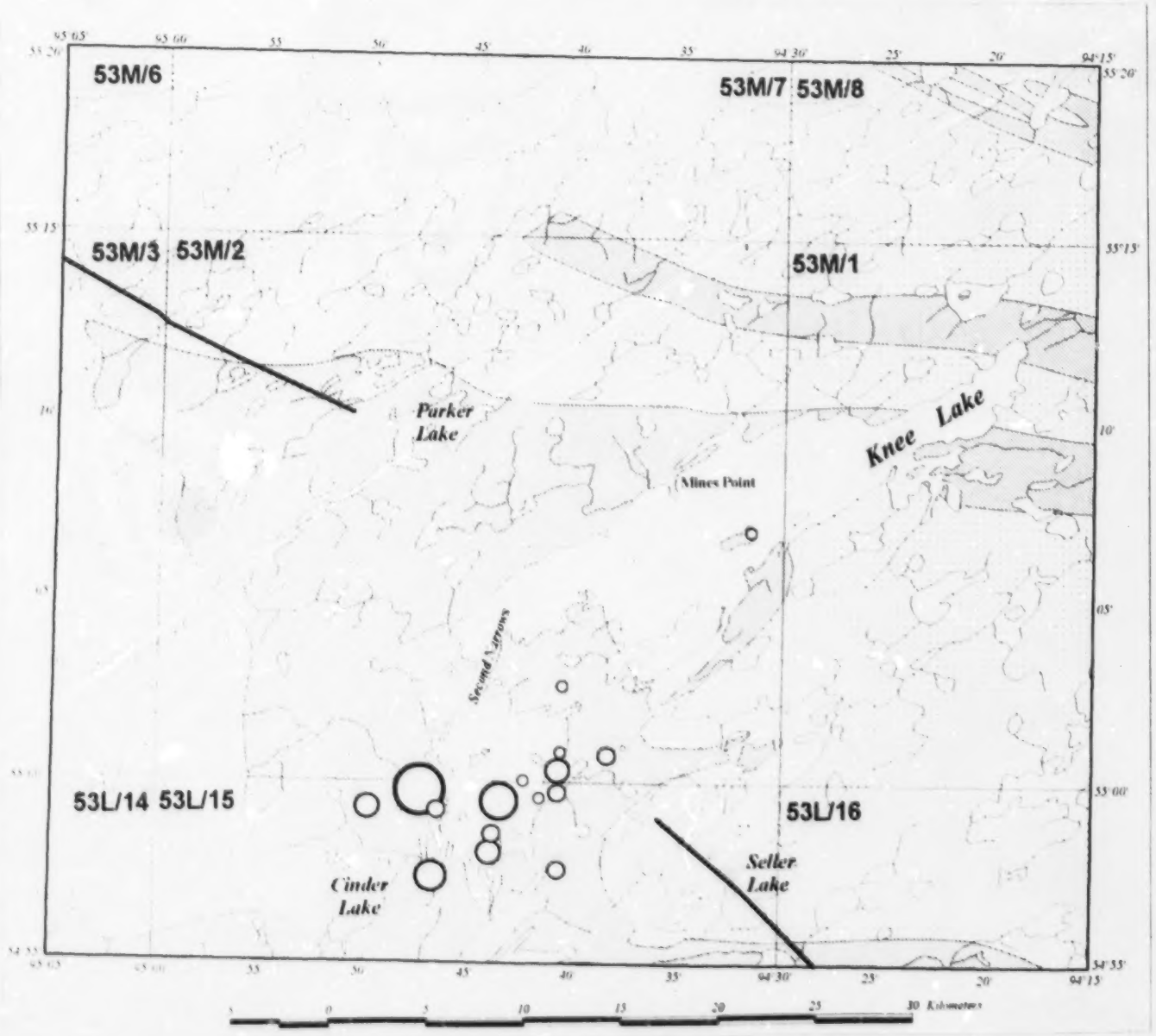
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

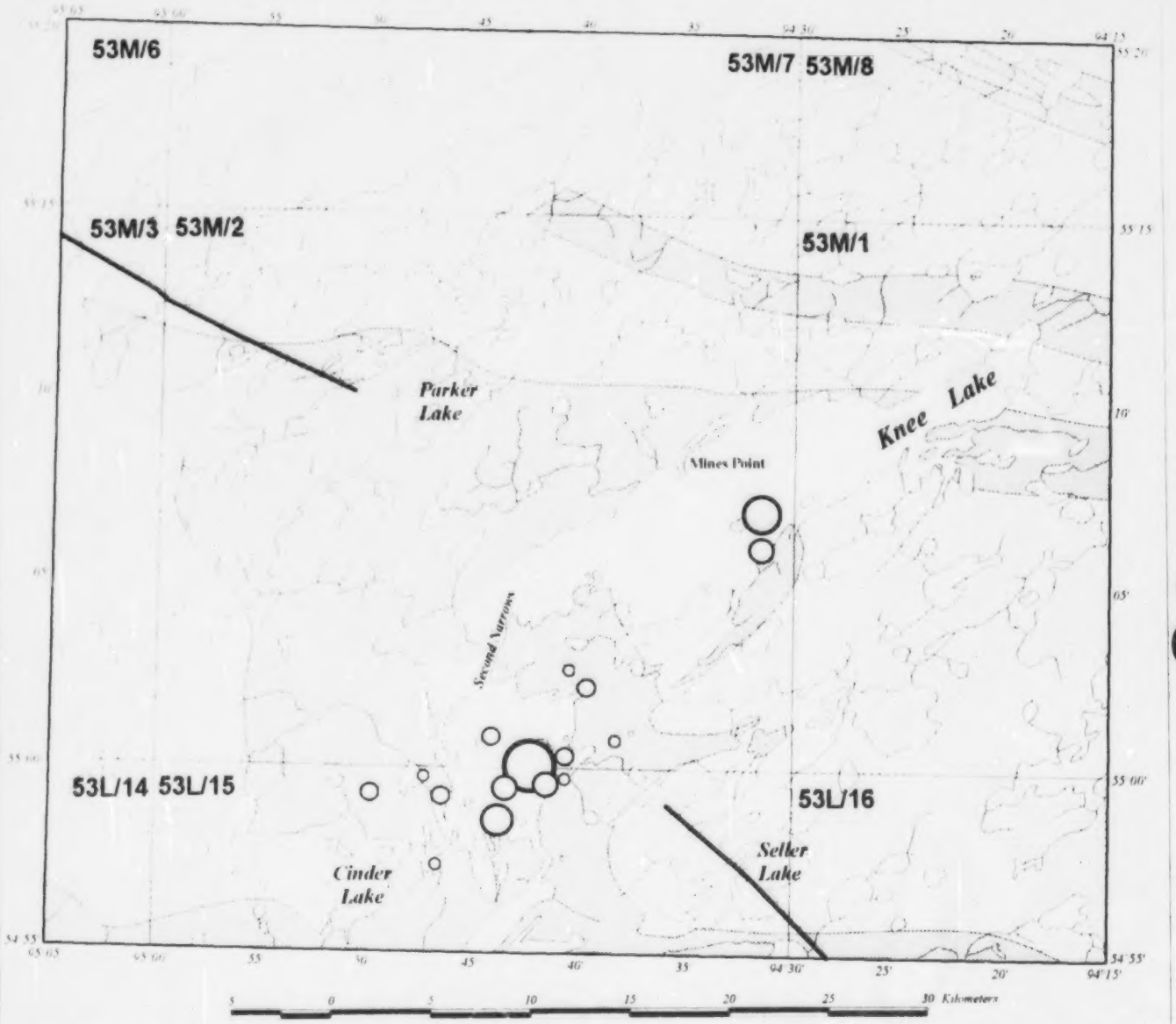
Re (ppt)

- >371<=538 (25%tile)
- >558<=638 (50%tile)
- >687<=824 (75%tile)
- >830<=966 (90%tile)
- >1270<=1270 (95%tile)
- >1300<=1300 (98%tile)
- >1320<=1320 (100%tile)

Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



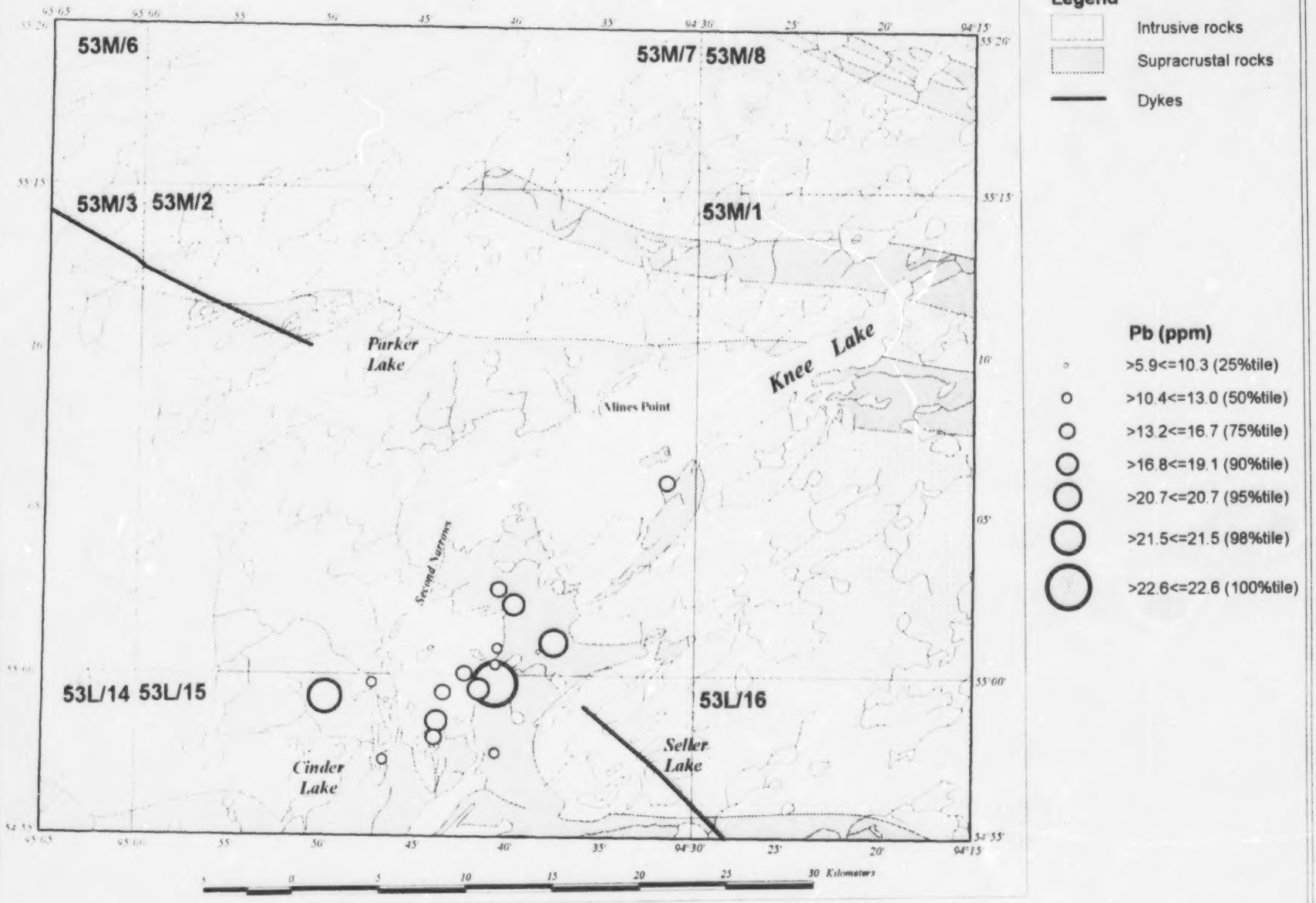
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

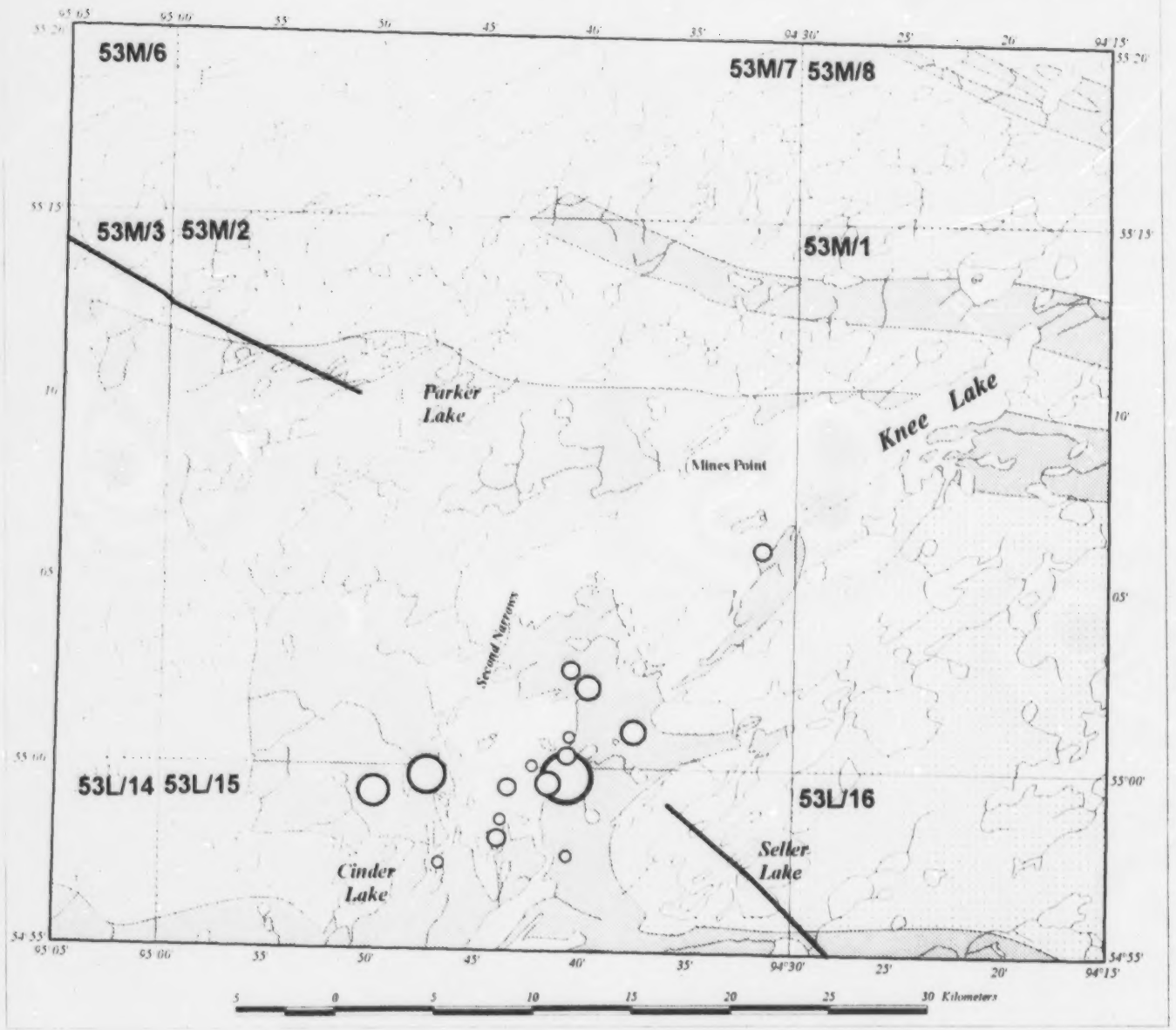
Tl (ppm)

- >0.031<=0.100 (25%tile)
- >0.108<=0.174 (50%tile)
- >0.187<=0.380 (75%tile)
- >0.411<=0.484 (90%tile)
- >0.503<=0.503 (95%tile)
- >0.532<=0.532 (98%tile)
- >2.090<=2.090 (100%tile)

Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



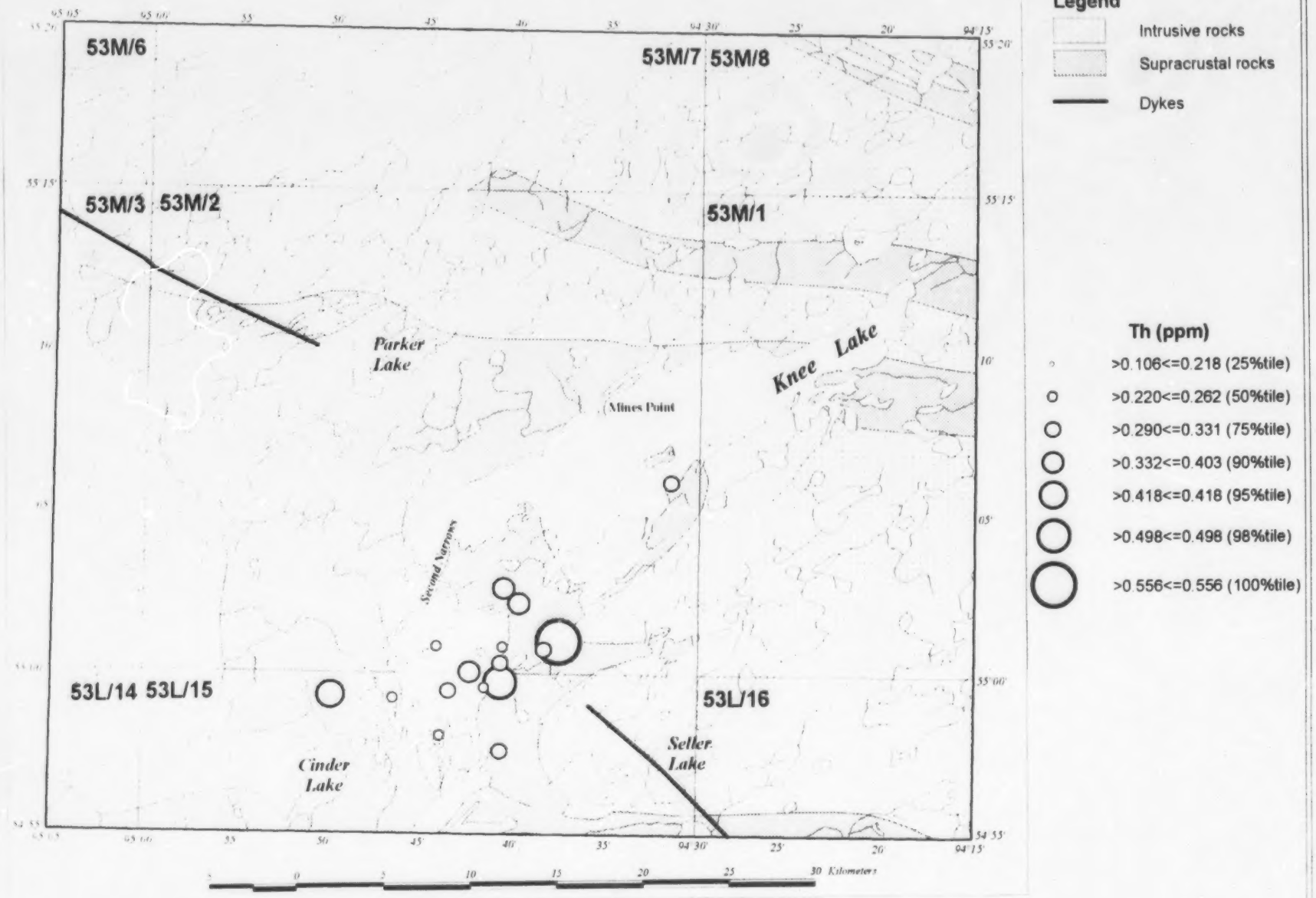
Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

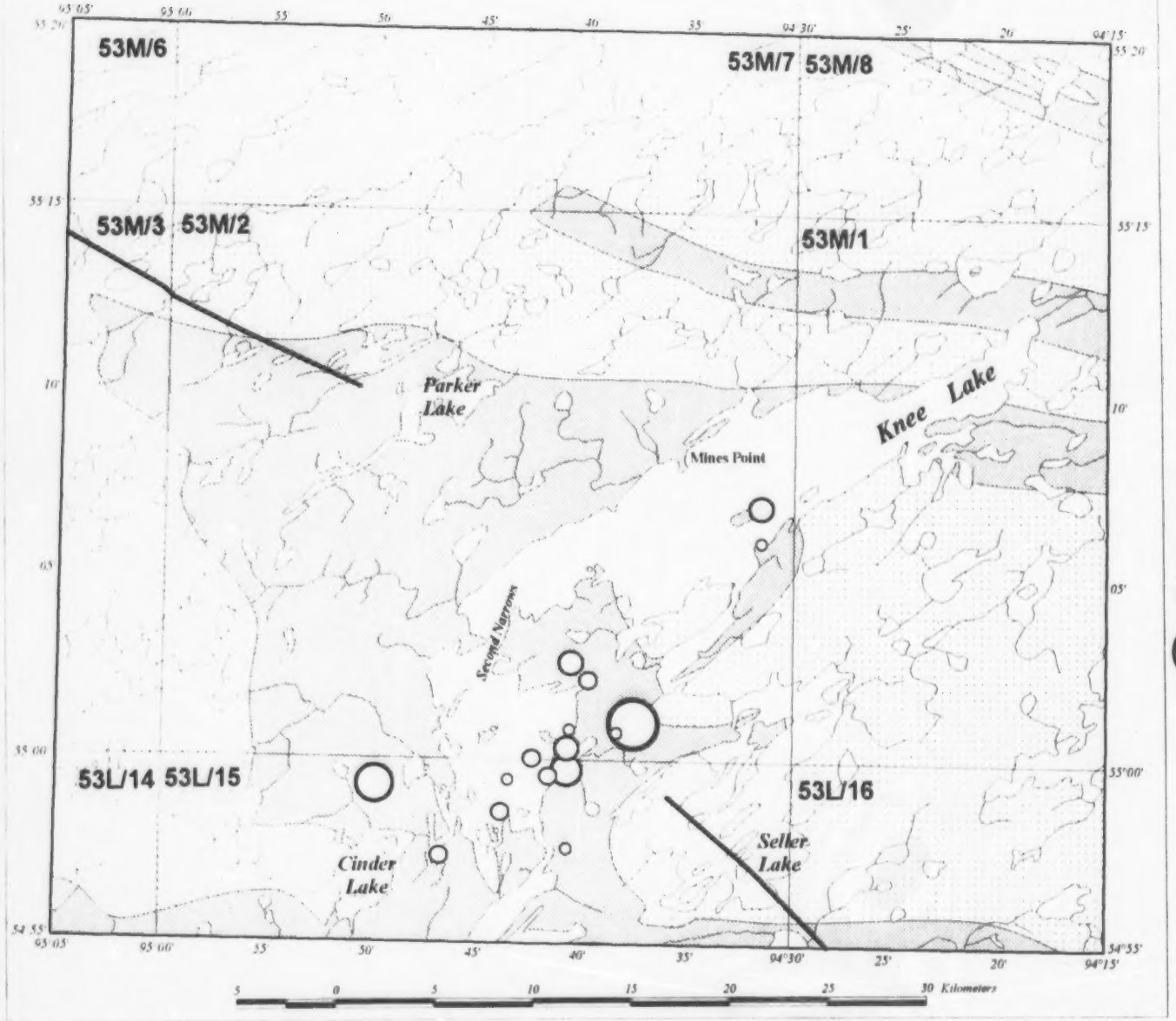
Bi (ppm)

- >0.11<=0.21 (25%tile)
- >0.21<=0.24 (50%tile)
- >0.26<=0.29 (75%tile)
- >0.32<=0.34 (90%tile)
- >0.41<=0.41 (95%tile)
- >0.44<=0.44 (98%tile)
- >0.47<=0.47 (100%tile)

Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



Black Spruce Crown Twigs - 21 samples Ash /ICP-MS



Legend

- Intrusive rocks
- Supracrustal rocks
- Dykes

U (ppm)

- >0.102<=0.136 (25%tile)
- >0.144<=0.160 (50%tile)
- >0.166<=0.181 (75%tile)
- >0.181<=0.234 (90%tile)
- >0.274<=0.274 (95%tile)
- >0.299<=0.299 (98%tile)
- >0.301<=0.301 (100%tile)

Black Spruce Crown Twigs - 21 samples Ash /ICP-MS

SYNOPSIS

The 2000 multimedia geochemical survey of the northern half of the Knee Lake greenstone belt has delineated geochemical patterns attributable to regional metallogenetic features, previously recognized structurally and stratigraphically controlled mineralized zones, and unique rock types. Additionally, significant geochemical responses have been documented from areas of little or no outcrop or no previously known mineral exploration. The association of multimedia geochemical signatures with high-strain zones at rheological boundaries demonstrates the potential for hydrothermal fluid pathways and associated mineralization.

As in previous years (1996–1999), the relatively high success rate of the various sample types in reproducing geochemical anomalies is documented in 2000 despite the presence of wetlands, peat and drumlinoid terrain in the survey area. All sample media have effectively delineated similar areas of geochemical flux and have achieved one of the major goals of this approach to resource assessment: reduce large tracts of ground to more localized areas where traditional exploration methods can be applied. Multimedia, anomalous geochemical responses in areas of no known mineralization have been delineated in areas previously considered to have low mineral potential. This was based upon a lack of outcrop or the presence of predominantly intrusive rocks. Many recommendations have been made at the end of the discussion of the results for each sampling media for the 2000 survey area. The following discussion is primarily intended to illustrate the presence of geochemical pathways from bedrock to surficial sample media and their usefulness in prioritizing geochemically anomalous areas for exploration follow-up.

Geochemical Pathways

Amalgamated Knee Lake Mines Limited

The most significant precious and base-metal occurrence in the 2000 survey area is the Johnston Knee Lake Gold Mines and Knee Lake Gold Mines property on the southeast shore of northern Knee Lake. These two companies were amalgamated in 1947 to form Amalgamated Knee Lake Mines Limited, in order to undertake exploration and possible development of the two properties.

On the Johnston Knee Lake Gold Mines property, Au mineralization is hosted within quartz porphyry bodies and mafic volcanic rocks that strike east-northeast and dip 80–85° south. Barry (1964) mapped these rocks as Hayes River Group massive, schistose and pillowed basalt and andesite flows intruded by quartz porphyry, feldspar porphyry and minor aplitic dykes. The deposit is confined to a silicified shear zone with quartz veins in a quartz porphyry dyke. The vein strikes 060°, dips 80° southeast and is mineralized with pyrite, pyrrhotite and gold. A shaft was sunk on the property to "320 feet with levels at 175 feet and 300 feet" (Southard, 1977). Subsequent to "5400 feet of diamond drilling"

development was halted due to "erratic, high-grade shoots that could not be correlated between drill holes and underground workings".

The Knee Lake Gold Mine property had essentially the same geology with pyrite, pyrrhotite, Au and minor chalcopyrite, sphalerite and galena mineralization confined to a quartz porphyry dyke that was traced for "2000 feet". Quartz was notably absent from this deposit. Three composite samples, each weighing "450 pounds or more", were sent to Ottawa for assay in 1936. Results were "1.27 ounces per ton (opt) Au, 0.18 opt Ag, 0.01% As, 0.08% Cu and 2.09% S."

Rock geochemical sampling during the 2000 survey has confirmed the metallogenetic significance of the area of the Johnston Knee Lake Gold Mines and Knee Lake Gold Mines properties. This area has significant Au-Ag mineralization potential in the immediate area of the mineralized zones and, based on the presence of an associated 4 km long airborne electromagnetic conductor, potential outside of the zones should also be assessed. The presence of chalcopyrite, sphalerite and galena in association with the precious-metal mineralization is interesting and may be suggestive of mobilizate from preexisting sulphide mineralization.

In addition to the geochemical anomalies identified in the primary host rock environment, the enzyme-leach^{SM} analysis of b-horizon soils from the area of the mineralized zones has identified Zn, Mo, U, Ti, Nb, Cs, Fe and Si anomalies. A persistent east-west line of multi-element 99th percentile responses is superimposed on the deposits and suggests additional structural controls on mineralization. The presence of commodity elements and elements diagnostic of the accompanying alteration in enzyme-leach^{SM} anomalies indicates movement of metals from source to surface.

Vegetation geochemical anomalies at the property are developed for Mo, Cs and P, although the P response may have a slightly different provenance, as discussed at the end of this section. Humus response at the deposits is somewhat subdued, but a multisite Mo anomaly is present.

The area of the precious and base-metal mineralization at the Johnston Knee Lake Gold Mines and Knee Lake Gold Mines property is marked by multimedia geochemical anomalies that pinpoint the immediate area of the deposits but also demonstrates the presence of a geochemical pathway from mineralized source to surficial environment.

Second Narrows

The Second Narrows area of northern Knee Lake has been the site of precious-metal exploration. It is also the site of multimedia geochemical responses. Exploration by K & K Consulting Ltd. identified a gold-mineralized zone characterized by a quartz-carbonate breccia that persists for "greater than five miles in a southeast orientation attaining widths of up to a

few hundred metres." Assays ranging between "0.35 and 0.54 opt Au" were obtained. Diamond-drill testing of ground electromagnetic conductors just west of the Second Narrows intersected pyrite and pyrrhotite with traces of chalcopyrite and sphalerite in felsic to intermediate volcanic rocks. This geological environment is suggestive of chemical exhalative processes and is different than the style of mineralization and alteration described by K & K Consulting.

The Second Narrows area is a second example of the identification of geochemical pathways by the 2000 survey. Rock-chip anomalies for Au, As, Sb and Pb were obtained from limited sampling. Sample media from the surficial environment documented elevated levels of As, Se and Te in enzyme-leach[SM] analysis of b-horizon soils; Hg, Mo, Pb, Zn and Mg in humus; and Au, As, Cs and Ni in black spruce crown twigs. The Second Narrows area is recognized as a potential exploration target but does not have an information base comparable to the Amalgamated Knee Lake Mines Limited gold property. Nevertheless, the mineralized and altered zone at the Second Narrows serves as an excellent example of how multimedia geochemical surveys have indicated the presence of a geochemical pathway in a situation where a less than ideal understanding of the mineralized environment is available.

Parker Lake Area

The Parker Lake area is located in the northwestern portion of the 2000 survey area. This area is marked by an absence of outcrop, but favourable geology is indicated by diamond-drilling (7 drillholes) on geophysical targets. In 1971–1972, Inco Ltd. documented sulphide-oxide– and silicate-facies iron formation within sulphide-rich turbidite sequences. These rocks occur at the Hayes River Group–Oxford Lake Group interface and are estimated to have a strike length of approximately 40 km with widths up to several hundred meters. Subsequent exploration by Canarc Resources Ltd. identified 11 gold grains of indeterminate morphology from 4 overburden drill holes on the southeast shore of Parker Lake. These 4 holes were part of a 54 hole overburden-drill program in the area.

The area is characterized by fewer multimedia anomalies but includes Cd and Se in b-horizon soils; Sb, Ni, Mo and Sr in humus; and Au, Sb, Cs, Zn and Cd in black spruce crown twigs. This reduced number of geochemical indicators may reflect the hostile overburden conditions in the area, although the results of vegetation analyses alone would identify the area as potentially gold bearing.

Summary

The three preceding examples of geochemical pathways progress from a reasonably well understood precious and base-metal mineralized zone at the Amalgamated Knee Lake Mines Limited property, to the lesser known Second Narrows area, to Parker Lake where hostile overburden conditions prevail and geological information is very limited. Nevertheless, the movement of elements from mineralized bedrock to crown twigs in black spruce can be demonstrated. The

significance of this observation is that geochemical exploration techniques in the surficial environment can be applied and interpreted with confidence during routine exploration programs on the basis of consistent multimedia or single-media responses.

Final Observations

Potentially the most significant observation that can be made from the database assembled during the 2000 multimedia survey is the possibility that KIM dispersion trains can be mapped using ashed samples of crown twigs of black spruce trees. Although this statement cannot be entirely substantiated, a review of the salient observations is interesting.

A large, prominent, multi-element till anomaly occurs on the southeast side of Knee Lake in both the clay-sized fraction (less than 2 microns) and the silt plus clay fraction (less than 63 microns). The anomaly is more than 35 km long and is interpreted to be a glacial dispersion train, probably originating near the northern end of Knee Lake just outside the 2000 sampling area. This interpretation is favoured because the anomaly cuts across several lithological boundaries, is parallel to the main ice-flow direction, and is coincident with a kimberlite indicator-mineral dispersion train (Fedikow et al., 2001a, b). Coincident with this till anomaly is a 4 km long vegetation geochemical P anomaly. The source of this anomaly is also up-ice from the northern limits of sampling in 2000. The marked enrichment of P in kimberlite compared to mafic rocks makes the presence of dispersion trains for P originating from eroded and glacially transported kimberlitic material possible. Black spruce trees rooted in this substrate could acquire anomalous quantities of P during routine nutrient acquisition. Sampling of the crowns to capitalize on the acropetal tendencies of element migration could prove an extremely useful and valuable diamond-exploration tool.

Sample collection in 2001 concentrated on the up-ice and eastern margins of the 65 km long KIM dispersion train identified in 1999 and 2000. This sampling was multimedia in nature and the analysis of black spruce tree crowns, together with bulk tills for KIM concentrating, picking and probing, may provide more data upon which to assess the definition of KIM dispersion trains using ashed samples of black spruce crown twigs.

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